ĺ	Case: 19-1602 Document: 44-1 Case: 19-1602 Document: 4	Page: 5 Page: 1	Filed: 12/04/2019 Filed: 05/14/2019
1			0
2			CLOSED
3			
4	CC: FEDERAL CIRCUIT		
5			
6			
7			
8			
9	UNITED STATES DISTRICT COURT		
10	CENTRAL DISTRIC	T OF CAL	IFORNIA
11			
12			
13	ECOSERVICES, LLC,) CV 16	-01824-RSWL-SPx
14	Plaintiff,))) ORDER	RE: Defendant's
15	v.) Motio	n for Post-Judgment f Pursuant to Rules
16) 50(b)) [303]	, 52(b), and 59
17	CERTIFIED AVIATION SERVICES, LLC,)	
18	Defendant.		
19)	
20)	
21)	
22 23	Currently before the Cou) Int ic Do	fondant Cortified
23 24	Currently before the Court is Defendant Certified Aviation Services, LLC's ("Defendant") Motion for Post-		
25	Judgment Relief Pursuant to Rules 50(b), 52(b), and 59		
26	[303]. Having considered all papers submitted		
27	pertaining to the Motion, the Court NOW FINDS AND RULES		
28	AS FOLLOWS: the Court DENIES Defendant's Motion in its		
	1		

entirety. 1

2

3

4

5

6

7

8

9

10

12

23

24

25

26

27

28

I. BACKGROUND

Factual Background Α.

This case arises out of a patent infringement suit brought by Plaintiff EcoServices, LLC ("Plaintiff") against Defendant Certified Aviation Services, LLC ("Defendant"), both providers of aircraft engine wash services. For the sake of this Motion, the Court assumes familiarity with the facts of this case. A detailed account of the facts are laid out in the Court's Order re Defendant's Post-Trial Motions 11 ("Order") [293].

Plaintiff asserted two patents in connection with 13 14 its turbo engine wash system, EcoPower, against 15 Defendant's system, Cyclean, as the basis for 16 Plaintiff's patent infringement claim. First, U.S. 17 Patent No. 9,162,262 (the "'262 Patent") is entitled "Automated Detection and Control System and Method for 18 19 High Pressure Water Wash Application and Collection Applied to Aero Compressor Washing," which the USPTO 20 21 issued on October 20, 2015. Order re Post-Trial Mots. 22 ("Order") 3:3-13, ECF No. 293. Claim 1 states,

> A system for washing turbine engines comprising: a washing unit for providing a washing liquid to the turbine engines; an information detector configured to gather information related to engine type; and a control unit configured to accept the information related to engine type from the information detector and to determine a washing program to be used as a function of the information relating to engine type from a set of preprogrammed washing programs, and further configured to regulate the washing unit

> > 2

Case: 19-1602 Document: 44-1 Page: 7 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 3 Filed: 05/17/2019

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

1

according to washing parameters associated with the washing program used. <u>Id.</u> at 3:15-21; Declaration of Gregory J. Apgar ("Apgar Decl.") Ex. 1, '262 Patent, at 8:36-47, ECF No. 303-2. Claim 9 states, "The system of claim 1 wherein the information provided by the information detector is used by the control unit to regulate a washing time." Order at 3:25-28; '262 Patent at 9:11-13. Claim 14 states,

A system for washing turbine engines comprising: a washing unit for providing a washing liquid to the turbine engines; an information detector for providing information identifying at least one of washing unit and engine type; and a control unit configured to regulate the washing unit according to washing parameters associated to a particular engine based upon preprogrammed particular engine control data relating to information provided by the information detector, wherein the preprogrammed control data comprises a washing program from set of available а washing programs.

17 Order at 4:2-8; `262 Patent at 10:14-26.

18 Second, U.S. Patent No. 5,868,860 (the "'860 19 Patent"), is entitled "Method of Washing Objects, Such as Turbine Compressors," which the USPTO issued on 20 February 9, 1999. '860 SUF ¶¶ 11-12. The '860 Patent 21 22 provides parameters for four separate disclosures on its two claims: pressure, particle size, volumetric 23 24 flow, and particle velocity. Order at 4:10-20 (citing'860 Patent at 4:7-18). At trial, the jury 25 26 found that Defendant infringed Claims 1 and 2 of the 27 '860 Patent. Claim 1 is directed to a method of 28 washing turbine compressors:

3

Case: 19-1602 Document: 44-1 Page: 8 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 4 Filed: 05/17/2019

small quantities of finely-divided wherein liquid are sprayed onto and through the turbine compressors, characterized running the by turbine compressors and spraying the finely-divided liquid quantities through at least one through nozzle towards and the turbine compressor at an overpressure within the range of 50-80 bars and at a liquid particle size in the range of 250-120 microns, and with a total volumetric flow through the nozzle or nozzles within the range of 0.5-60 l/min., and with a liquid particle velocity of 100-126 m/sec.

8 Order at 4:21-27.

1

2

3

4

5

6

7

9

B. <u>Procedural Background</u>

10 On June 26, 2018, the jury trial in this Action began [245]. On July 2, 2018, the jury reached a 11 12 verdict [265] in favor of Plaintiff, finding that Defendant infringed the non-obvious '262 Patent and 13 willfully infringed the '860 Patent. On July 25, 2018, 14 Defendant filed two Motions of Judgment as a Matter of 15 Law under Federal Rule of Civil Procedure ("Rule") 52 16 17 for (1) Ineligibility of the '262 Patent [271]; and (2) Indefiniteness of the '860 Patent [273]. Also on July 18 25, 2018, Plaintiff filed a Motion for Attorneys' Fees 19 [272]; a Motion for Prejudgment Interest, Post-Judgment 20 Interest, Supplemental Damages, and Statutory Costs 21 [274]; and a Motion for Permanent Injunction [275]. On 22 October 26, 2018, the Court issued an Order [293] in 23 which it: (1) denied Defendant's Motion for Judgment of 24 Ineligibility of the '262 Patent; (2) denied 25 26 Defendant's Motion for Judgment of Indefiniteness of 27 the '860 Patent; (3) denied Plaintiff's Motion for Permanent Injunction; (4) denied Plaintiff's Motion for 28

Case: 19-1602 Document: 44-1 Page: 9 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 5 Filed: 05/17/2019

Attorneys' Fees; and (5) granted Plaintiff's Motion for
 Prejudgment Interest, Post-Judgment Interest,
 Supplemental Damages, and Costs.

4 In denying Plaintiff's Motion for Permanent 5 Injunction, the Court ordered the parties to negotiate an ongoing post-judgment royalty rate. On December 26, 6 7 2018 the parties filed a Joint Submission per the Court's Order [295]. The Court issued an Order on 8 January 16, 2019, setting the ongoing royalty rate at 9 \$400 per infringing wash [296]. On January 16, 2019, 10 the Court issued a Judgment pursuant to the above 11 Orders [297]. On February 13, 2019, Defendant filed 12 the instant Motion for Renewed Judgment as a Matter of 13 Law [303]. Plaintiff timely opposed [306], and 14 15 Defendant timely replied [311].

II. DISCUSSION

17 A. Legal Standard

18

16

1. <u>Renewed Judgment as a Matter of Law</u>

19 Judgment as a matter of law is appropriate when "a 20 party has been fully heard on an issue during a jury 21 trial and the court finds that a reasonable jury would not have a legally sufficient evidentiary basis to find 22 23 for the party on that issue ". Fed. R. Civ. P. 50(a)(1); see also Reeves v. Sanderson Plumbing Prods., 24 Inc., 530 U.S. 133, 149 (2000). A party must make a 25 26 motion for judgment as a matter of law under Rule 50(a) 27 before a case is submitted to the jury. If the Court 28 denies or defers ruling on the motion, and if the jury

5

Case: 19-1602 Document: 44-1 Page: 10 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 6 Filed: 05/17/2019

then returns a verdict against the moving party, the 1 party may renew its motion under Rule 50(b). In ruling 2 on the renewed motion, the court may either "allow 3 judgment on the verdict, if the jury returned a 4 verdict," or "order a new trial," or "direct the entry 5 of judgment as a matter of law." Fed. R. Civ. P. 6 7 50(b). Because a post-verdict Rule 50(b) motion is a 8 "renewed motion", it is "limited to the grounds asserted in the pre-deliberation Rule 50(a) motion." 9 E.E.O.C. v. Go Daddy Software, Inc., 581 F.3d 951, 961 10 11 (9th Cir. 2009).

12 The test applied is whether the evidence permits only one reasonable conclusion, and that conclusion is 13 contrary to the jury's verdict. Josephs v. Pac. Bell, 14 15 443 F.3d 1050, 1062 (9th Cir. 2006); see also Pavao v. 16 <u>Pagay</u>, 307 F.3d 915, 918 (9th Cir. 2002). The verdict 17 must be upheld if the evidence is adequate to support the jury's conclusion, even if it is also possible to 18 draw a contrary conclusions from the same evidence. 19 20 Johnson v. Paradise Valley Unified Sch. Dist., 251 F.3d 1222, 1227 (9th Cir. 2001). "The district court may 21 22 not reject the jury's verdict simply because another 23 appears preferable." McEuin v. Crown Equip. Corp., 328 24 F.3d 344, 370 (9th Cir. 2003).

25

2. <u>Motion for a New Trial</u>

A new trial may be granted pursuant to Rule 59 if "the verdict is contrary to the clear weight of the evidence, or is based upon evidence which is false, or

6

Case: 19-1602 Document: 44-1 Page: 11 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 7 Filed: 05/17/2019

to prevent, in the sound discretion of the trial court, 1 2 a miscarriage of justice." Silver Sage Partners, Ltd. v. City of Desert Hot Springs, 251 F.3d 814, 819 (9th 3 Cir. 2001). "However, a district court may not grant a 4 new trial simply because it would have arrived at a 5 different verdict. Thus, if the jury's verdict is not 6 7 against the clear weight of the evidence, [the Ninth Circuit] may find that a district court abused its 8 discretion in granting a new trial." Id. (internal 9 citations omitted); <u>Wallace v. City of San Diego</u>, 479 10 11 F.3d 616, 630 (9th Cir. 2007).

12

3. Motion to Amend Findings and Judgment

Rule 52(b) provides that "[o]n a party's motion 13 filed no later than 28 days after entry of judgment, 14 15 the court may amend its findings-or make additional 16 findings-and may amend the judgment accordingly." Fed. 17 R. Civ. P. 52(b). A motion to alter or amend a judgment is proper if "(1) the motion is necessary to 18 correct manifest errors of law or fact upon which the 19 20 judgment is based; (2) the moving party presents newly 21 discovered or previously unavailable evidence; (3) the 22 motion is necessary to prevent manifest injustice; or 23 (4) there is an intervening change in controlling law." Turner v. Burlington N. Santa Fe R. Co., 338 F.3d 1058, 24 25 1063 (9th Cir. 2003) (emphasis and internal quotation 26 marks omitted). "The decision to alter or amend 27 findings is committed to the sound discretion of the 28 trial judge." Gutierrez v. Wells Fargo Bank, N.A., No.

7

Case: 19-1602 Document: 44-1 Page: 12 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 8 Filed: 05/17/2019

1 07-05923 WHA, 2010 WL 4072240, at *5 (N.D. Cal. Oct. 2 18, 2010). A motion to amend a court's factual and 3 legal findings is properly denied where the proposed 4 additional facts would not affect the outcome of the 5 case or are immaterial to the court's conclusions. 6 <u>Weyerhaeuser Co. v. Atropos Island</u>, 777 F.2d 1344, 1352 7 (9th Cir. 1985).

B. <u>Analysis</u>

9

8

1. Patent Eligibility of the '262 Patent

10 Section 101 of the Patent Act provides that a patent may be obtained for "any new and useful process, 11 12 machine, manufacture, or composition of matter, or any new and useful improvement thereof." 35 U.S.C. § 101. 13 The Supreme Court has "long held that this provision 14 15 contains an important implicit exception: laws of nature, natural phenomena, and abstract ideas are not 16 17 patentable." Alice Corp. Pty. v. CLS Bank, Int'l, 134 S. Ct. 2347, 2354 (2014). Under the two-step framework 18 19 established to determine patent eligibility, the court 20 first asks "whether the claims at issue are directed to 21 one of those patent-ineligible concepts," as opposed to 22 "patent eligible applications of those concepts." 23 Alice, 134 S. Ct. at 2354-55. If so, the court then "consider[s] the elements of each claim both 24 25 individually and 'as an ordered combination' to 26 determine whether the additional elements 'transform 27 the nature of the claim' into a patent-eligible 28 application." Id. at 2355 (quoting Mayo Collaborative

8

Case: 19-1602 Document: 44-1 Page: 13 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 9 Filed: 05/17/2019

1 <u>Servs. v. Prometheus Labs, Inc.</u>, 132 S. Ct. 1289, 1297 2 (2012)).

Here, the Court previously denied Defendant's 3 Motion for Ineligibility of the '262 Patent on the 4 5 basis that when looking at the claims as a whole, they are directed to improving the process of washing 6 7 airline turbo engines and are thus not directed to an 8 abstract idea. Order at 20. Defendant requests that the Court amend its eligibility determination under 9 10 Rule 52(b), taking issue with the Court's conclusion that the claims recite "a distinct process from that 11 previously performed by humans." Def.'s Mot. 2:16-20, 12 ECF No. 303. Defendant refers to the Court's analysis 13 pursuant to McRO, Inc. v. Bandai Namco Games Am. Inc., 14 15 837 F.3d 1299, 1314 (Fed. Cir. 2016), which held that 16 "processes that automate tasks that humans are capable 17 of performing are patent eligible if properly claimed," and to properly claim it, the system must be a distinct 18 19 process from that previously performed by humans. 20 Order at 16:10-25. The Court reasoned that the '262 21 Patent improves the task previously done by humans of washing turbo engines, by removing human error. Id. at 22 23 20:18-27.

Defendant argues that the Court's conclusion is premised on the incorrect factual finding that human operators had determined a washing program using subjective judgment, because the record shows that human operators did so objectively, and thus the '262

9

Case: 19-1602 Document: 44-1 Page: 14 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 10 Filed: 05/17/2019

Patent does not improve on the prior process. Id. at 1 3:7-9. Defendant is merely asking the Court to repeat 2 its eligibility analysis. R.C. Fisher v. Cartwright, 3 No. C-09-02316 EDL, 2011 WL 6025659, at *4 (N.D. Cal. 4 5 Dec. 5, 2011) ("Motions under Rule 52(b) are designed to correct findings of fact which are central to the 6 7 ultimate decision; the Rule is not intended to serve as a vehicle for a rehearing."); <u>id.</u> at *5 (quoting 8 Fontenot v. Mesa Petroleum Co., 791 F.2d 1207, 9 10 1219-1220 (5th Cir. 1986)) ("A party may not use a Rule 11 52(b) motion to introduce any new facts or legal 12 theories that were available to them at trial, much less re-litigate facts and legal theories that have 13 14 previously been rejected by the court."). Defendant 15 has not pointed to any new evidence or argument that 16 would change the Court's analysis. Mere disagreement 17 with the Court's interpretation of the claims and case law does not meet the standard required under Rule 18 19 52(b). Matkovich v. Costco Wholesale Corp., No. LA CV 20 15-2057 JCG, 2017 U.S. Dist. LEXIS 221810, at *7 (C.D. 21 Cal. Aug. 24, 2017) (citing <u>Union Pacific R. Co. v.</u> 22 Kansas City Southern Ry. Co., 2009 U.S. Dist. LEXIS 111958, 2009 WL 4544730, at *3 (S.D. Ill. Dec. 1, 23 2.4 2009)) (declining to make additional findings of fact 25 and conclusions of law because not including facts 26 plaintiff thought important and plaintiff's 27 disagreement with the court's interpretation "is not a 28 basis for relief under Rules 52 and 59").

10

Case: 19-1602 Document: 44-1 Page: 15 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 11 Filed: 05/11/2019

Defendant argues that it is not providing re-1 2 argument, but instead asking the Court to reconcile its eligibility Order with its prior <u>Markman</u> Order. Def.'s 3 Reply 1:3-6, ECF No. 311. Specifically, this is in 4 5 reference to the Court's eligibility Order citing examples from the specification of how the control unit 6 7 can be configured to improve the prior art process. Order at 18-19.1 Defendant argues that the Court's 8 reasoning, based on certain embodiments that "regulate 9 10 function[s]", is directly contrary to its <u>Markman</u> Order [80]. However, in the <u>Markman</u> Order, the Court merely 11 12 declined to limit claims 1, 9, and 14 of the '262 Patent to read a "monitoring" requirement as necessary 13 for the invention to accomplish its automation 14 15 advantages. In the Order regarding eligibility, the Court did not make a finding that the claims require 16 17 "monitoring" or that it is because of the control unit's "monitoring" of the wash that the claims are not 18 directed to an abstract idea, let alone even mention 19 the word "monitor". The Court listed examples from the 20 21 '262 Patent's specification to point to the embodiments

23 ¹ The Court cited that the control unit "may be responsive to characteristics of the used washing liquid emanating from the 24 engine" by evaluating various characteristics, such as types of 25 solids, and adjusting the washing unit "to alter the parameters of the washing procedure." Id. (quoting `262 Patent at 6:5-15). 26 The Court further explained that the control unit also "may be configured to process temperature data . . . in order to delay 27 initiating a washing procedure until the washing fluid has reached a predetermined washing temperature." Id. (quoting '262 28 Patent at 7:29-33).

22

11

Case: 19-1602 Document: 44-1 Page: 16 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 12 Filed: 05/17/2019

1 as a means to show additional ways the '262 Patent is 2 used in practice to improve upon prior art. <u>McRo</u>, 837 3 F.3d at 1313 (looking to the specification to confirm 4 that the claimed improvement allows computers to do 5 what previously was done by humans).

6 Regardless of how the control unit embodiments are 7 interpreted, it would not affect the outcome because 8 the Court's Order regarding eligibility was primarily based on how the '262 Patent's claims as a whole 9 improve on prior art by eliminating human error. 10 Ollier v. Sweetwater Union High Sch. Dist., 858 F. 11 12 Supp. 2d 1093, 1117 (S.D. Cal. 2012) ("A motion to amend a court's factual and legal findings is properly 13 14 denied where the proposed additional facts would not affect the outcome of the case"). 15 The Court's determination is supported by the testimony of both Mr. 16 17 Nordlund and Dr. Micklow. See Trial Tr. 6/27/18 at 82:5-83:8 (Mr. Nordlund testifying that the '262 claims 18 19 describe the solution to the problem of bad wash 20 results); Opp'n Ex. B, Trial Tr. 6/28/18 184:7-20, ECF 21 No. 306-3 (Dr. Micklow's testimony that "since many 22 engine washing operations are performed during 23 nighttime, . . . the operators may not be fully alert" 2.4 and that "if the requirements regarding a particular 25 engine are not followed, the engine can be damaged . . 26 . ."). Defendant does not offer any evidence that the 27 '262 Patent does not improve upon prior art and only 28 presents legal argument this Court already considered.

12

Case: 19-1602 Document: 44-1 Page: 17 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 13 Filed: 05/17/2019

As such, the Court **DENIES** Defendant's Motion to Amend the Judgment as to the eligibility of the '262 Patent.

3

5

1

2

2. Infringement of the '262 Patent

4 Defendant argues that the Court should grant judgment under Rule 50(b) that Defendant does not 6 infringe the '262 Patent because the record lacks 7 substantial evidence that Cyclean either (1) "regulate[s] the washing unit" in the manner the 8 9 Court's eligibility holding requires; or (2) includes an "information detector." Mot. at 5:27-6:2. 10 11 Defendant alternatively seeks a new trial on this issue 12 under Rule 59.

First, Defendant contends that the Court's 13 eligibility holding requires that the claimed system 14 15 can "respon[d] to characteristics of the used washing 16 liquid" or (2) "process temperature data . . . to delay 17 initiating washing procedure," but that there is no evidence that Cyclean is capable of such functions. 18 Mot. at 6:9-14 (citing Order at 18-19). This argument 19 20 fails because as discussed above, the Court merely 21 pointed to those embodiments as examples of how the 22 control unit can be configured to improve on prior art 23 for the purposes of eligibility, but made no explicit 24 finding that such limitations are required.

25 Second, Defendant argues that the record lacks 26 substantial evidence that Cyclean includes the claimed 27 "information detector". Defendant argues that Plaintiff's expert, Mr. Kushnick, did not explain why 28

13

Case: 19-1602 Document: 44-1 Page: 18 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 14 Filed: 05/17/2019

an ordinary artisan would have understood "information 1 detector" to include Cyclean's keypad, the component 2 the jury found infringed upon the '262 Patent's claimed 3 information detector. In contrast, Defendant points to 4 its own expert, Dr. Micklow, who testified that an 5 ordinary artisan would understand that Cyclean's keypad 6 is not an "information detector configured to gather 7 8 information related to engine type." However, the fact that the two experts disagreed on this point is 9 10 insufficient on its own to merit relief. See, e.g., Star Scientific, Inc. v. R.J. Reynolds Tobacco Co., 655 11 F.3d 1364, 1378 (Fed. Cir. 2011) (affirming district 12 court's denial of a motion for JMOL, stating that 13 "[t]he jury is entitled to credit or discredit 14 testimony before it"). 15

Moreover, the preferred embodiment describes the 16 17 "information detector" as "obtain[ing] particular information identifying the engine." '262 Patent at 18 6:37-38. Mr. Kushnick testified that Cyclean's keypad 19 20 satisfies this limitation because it "detects what's 21 been pressed and then has gathered the information 22 about the engine type." Opp'n Ex. A, Trial Tr. 6/27/18 23 at 155:6-17. Defendant has not pointed to any evidence 24 other than Dr. Micklow's testimony, and ignores where 25 Dr. Micklow testified that Cyclean's keyboard does in 26 fact send signals to the control unit to initiate the 27 program for a wash. See Opp'n Ex. C at 81:5-9. Thus, 28 the Court finds that the jury's factual conclusion

14

Case: 19-1602 Document: 44-1 Page: 19 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 15 Filed: 05/17/2019

based upon the two expert's testimony is sufficient and 1 may not be set aside. McGinley v. Franklin Sports, 2 <u>Inc.</u>, 262 F.3d 1339, 1355 (Fed. Cir. 2001) ("When the 3 4 jury is supplied with sufficient valid factual 5 information to support the verdict it reaches, that is the end of the matter. In such an instance, the jury's 6 7 factual conclusion may not be set aside by a JMOL order."). 8

9 Defendant has not shown that the jury's finding 10 lacks substantial evidence or is against the clear 11 weight of the evidence, and as such, the Court DENIES 12 Defendant's Motion as to Infringement of the '262 13 Patent.

14

26

3. <u>Validity of the '262 Patent</u>

15 Patents are presumed to be valid, and overcoming 16 this presumption requires clear and convincing 17 evidence. 35 U.S.C. § 282. Here, the jury found that Defendant did not show by clear and convincing evidence 18 that Claims 1, 9, and 14 of the '262 Patent are 19 20 invalid. Jury Verdict at 4, ECF No. 264. Defendant 21 now seeks judgment under Rule 50(b) that the asserted 22 claims of the '262 Patent are invalid as obvious or for 23 lacking written description. Alternatively, Defendant 2.4 requests that the Court grant a new invalidity trial under Rule 59. Mot. at 8:22-25. 25

a. Obviousness

A patent is obvious, and, therefore, invalid "if the differences between the subject matter sought to be

15

Case: 19-1602 Document: 44-1 Page: 20 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 16 Filed: 05/17/2019

patented and the prior art are such that the subject 1 matter as a whole would have been obvious at the time 2 3 the invention was made to a person having ordinary 4 skill in the art to which said subject matter 5 pertains." 35 U.S.C. § 103(a). A party seeking to invalidate a patent on the basis of obviousness must 6 7 "demonstrate 'by clear and convincing evidence that a 8 skilled artisan would have been motivated to combine 9 the teachings of the prior art references to achieve 10 the claimed invention, and that the skilled artisan would have had a reasonable expectation of success in 11 doing so.'" Procter & Gamble Co. v. Teva Pharm. USA, 12 <u>Inc.</u>, 566 F.3d 989, 994 (Fed. Cir. 2009) (quoting 13 Pfizer, Inc. v. Apotex, Inc., 480 F.3d 1348, 1361 (Fed. 14 Cir. 2007)). 15

16 Here, Defendant argues that claims 1, 9, and 14 of 17 the '262 Patent are invalid as obvious in view of Leusden and Hansen-two prior washing systems-which 18 19 Defendant argues a skilled artisan would be motivated 20 to combine. The jury was presented with conflicting expert testimony on this matter from Dr. Micklow and 21 22 Mr. Kushnick. Dr. Micklow testified that Leusden 23 teaches a control unit that controls all parameters 24 other than the starting point, and that a skilled 25 artisan would be motivated to find means for automating 26 that system. Declaration of Gregory J. Apgar ("Apgar 27 Decl."), Ex. 4, Trial Tr. 6/28/18 200:16-201:1, ECF No. 28 303-5. Dr. Micklow further testified that a skilled

16

Case: 19-1602 Document: 44-1 Page: 21 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 17 Filed: 05/17/2019

artisan would find such means in Hansen, because Hansen 1 provides the missing functionality of an RFID that 2 detects an object being washed and controls wash 3 4 parameters accordingly. <u>Id.</u> at 203:24-204:10, 205:19-206:12. On the other hand, Mr. Kushnick testified that 5 Leusden does not provide any teaching, suggestion, or 6 7 motivation to add an "information detector." Pl.'s Opp'n Ex. C, Trial Tr. 6/29/18 165:1-14, ECF No. 306-4. 8 Mr. Kushnick also testified that Dr. Micklow's opinion 9 10 relied on hindsight and that there is a distinction between the claimed invention and the combination of 11 12 Leusden and Hansen, because Hansen deals with washing cars, and none of those references suggest an 13 "information detector configured to gather information 14 15 related to engine type." Id. at 180:14-181:10.

16 "Significantly, whether there is a reason to 17 combine prior art references is a question of fact." Kinetic Concepts, Inc. v. Smith & Nephew, Inc., 688 18 F.3d 1342, 1367 (Fed. Cir. 2012). The jury found that 19 20 Defendant failed to prove by clear and convincing 21 evidence that the '262 Patent is invalid, and the 22 "jury's factual findings receive substantial deference 23 on motion for JMOL." Markman v. Westview Instruments, 52 F.3d 967, 975 (Fed. Cir. 1995). In evaluating both 24 25 experts' testimony, the jury was free to "make 26 credibility determinations and believe the witness it 27 considers more trustworthy." Kinetic, 688 F.3d 1342 at 28 1362. The jury determined that Defendant failed to

17

Case: 19-1602 Document: 44-1 Page: 22 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 18 Filed: 05/17/2019

prove obviousness by clear and convincing evidence, 1 2 thus the Court must infer that the jury found Plaintiff's expert, Mr. Kushnick, to be more credible 3 4 and persuasive on this issue. See id. While it is 5 possible to draw a contrary conclusion from Dr. Micklow's testimony, that is not enough to warrant 6 7 relief under Rule 50(b). Johnson v. Paradise Valley <u>Unified Sch. Dist.</u>, 251 F.3d 1222, 1227 (9th Cir. 8 9 2001). Because Defendant points to no evidence other than expert testimony, Defendant has not shown the 10 jury's verdict was unsupported by substantial evidence 11 12 or that it was against the clear weight of the evidence, and as such the Court **DENIES** Defendant's 13 Motion as to its claim that the '262 Patent is invalid 14 for obviousness. 15

16

b. Written Description

17 A patent's specification must "contain a written description of the invention." 35 U.S.C. § 112 ¶ 1. 18 The specification satisfies that requirement if it 19 20 "reasonably conveys to those skilled in the art that 21 the inventor had possession of the claimed subject 22 matter as of the filing date." Ariad Pharm., Inc. v. 23 <u>Eli Lilly & Co.</u>, 598 F.3d 1336, 1351 (Fed. Cir. 2010) 24 (en banc). To overcome the presumption of validity of 25 patents, the accused must show that the claims lack a 26 written description by clear and convincing evidence. 27 ICU Med., Inc. v. Alaris Med. Sys., Inc., 558 F.3d 28 1368, 1376 (Fed. Cir. 2009). Whether a claim is

18

Case: 19-1602 Document: 44-1 Page: 23 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 19 Filed: 05/17/2019

1 supported by an adequate written description is a 2 question of fact. <u>Ariad Pharm</u>, 598 F.3d at 1336 3 (citation omitted).

Here, Defendant argues that claim 14 of the '262 4 5 Patent is invalid because the specification lacks sufficient written description. Claim 14 recites "an 6 7 information detector for providing information identifying at least one of washing unit and engine 8 9 type." '262 Patent at 10:17-18. Claim 14 covers 10 embodiments where the information detector identifies a 11 washing unit, but Defendant argues that the specification does not disclose such embodiments. 12 13 Defendant again points to Dr. Micklow's testimony for support. Apgar Decl., Ex. 5, 6/29/18 Trial Tr. 14:25-14 17:4, ECF No. 303-6. Plaintiff argues that Mr. 15 Kushnick did in fact offer substantial evidence as to 16 17 why claim 14 does not lack written description. Indeed, in his testimony, Mr. Kushnick pointed to parts 18 of the specification that Dr. Micklow did 19 20 not-specifically where it describes a washing unit 21 comprising a manifold, one or more nozzles, the 22 manifold being connectable to a wash liquid tank, and 23 the pump as having one or more valves to regulate the 24 flow and pressure of liquid. Opp'n Ex. C at 163:16-25 164:10. Even so, Defendant argues that the written 26 description does not disclose an information detector 27 that identifies a washing unit. Defendant's reliance 28 on Dr. Micklow's testimony is misplaced given that Dr.

19

Case: 19-1602 Document: 44-1 Page: 24 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 20 Filed: 05/17/2019

Micklow applied an incorrect and more rigid standard 1 than required.² Dr. Micklow testified that "every term 2 in the claim needs to be explicitly defined in the 3 patent". Ex. C at 15:10-15. However, as the Court 4 5 instructed the jury, not every term in the claim needs to be expressly disclosed, and the USPTO determined 6 7 through prosecution that the '262 Patent satisfies the written description requirement. Jury Instructions, 8 ECF No. 255 ("The full scope of a claim or any 9 10 particular requirement in a claim need not be expressly disclosed in the original patent application"). 11

12 For the same reasons discussed as to obviousness, the Court finds Defendant has not shown that the jury's 13 14 verdict was not supported by substantial evidence or 15 that it was against the clear weight of the evidence, as the jury made its determination based on conflicting 16 17 expert testimony. The Court presumes that the jury found Mr. Kushnick's testimony more credible, that one 18 19 of ordinary skill in the art could recognize that the inventor of the '262 Patent had possession of what was 20 claimed at the time of filing. While Dr. Micklow 21

² Defendant claims that the Court already rejected the 23 contention that Dr. Micklow applied the wrong legal standard in its prior Order. However, Defendant misconstrues the Court's 24 Order. The Court briefly mentioned that Dr. Micklow applied the wrong standard in relation to whether Plaintiff should be awarded 25 attorneys' fees, and emphasized that Dr. Micklow later corrected his statement by saying it was more of an "approach" and that the 26 remainder of his opinions did not rely on this standard. Order 27 at 48. The Court acknowledged that Dr. Micklow testified to the wrong standard, but dismissed it as not having any bearing on the 28 attorneys' fees analysis.

22

20

Case: 19-1602 Document: 44-1 Page: 25 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 21 Filed: 05/17/2019

offered contrary testimony, nothing more is required to 1 defer to the jury's finding of validity. See Golden 2 Bridge Tech., Inc. v. Apple, Inc., No. 5:12-cv-04882-3 PSG, 2015 U.S. Dist. LEXIS 58324, at *23-24 (N.D. Cal. 4 5 May 1, 2015) ("While Acampora offered contrary evidence, nothing more is required to defer to the 6 7 jury's implicit finding."). Consequently, the Court DENIES Defendant's Motion as to its claim that the '262 8 9 Patent lacks written description.

10

4. Infringement of the '860 Patent

11 The jury unanimously found that Defendant infringed Claims 1 and 2 of the '860 Patent. Defendant seeks 12 judgment under Rule 50(b) that Defendant does not 13 infringe the '860 Patent because the record lacks 14 15 substantial evidence that Cyclean satisfies either the 16 (1) pressure or (2) particle size ranges recited in the 17 claims. Alternatively, Defendant seeks a new trial under Rule 59. 18

First, as to the pressure limitation, claim 1 of 19 20 the '860 Patent recites "spraying the finely-divided 21 liquid quantities through at least one nozzle . . . at 22 an overpressure within the range of 50-80 bars." `860 23 Patent at 4:5-8. The claimed overpressure refers to the pressure of the liquid at the nozzle. Apgar Decl. 24 Ex. 5, Trial Tr. 6/29/18 17:20-18:1, ECF No. 303-6. 25 26 Defendant argues that Mr. Kushnick did not demonstrate 27 that he tested Cyclean's actual nozzle, and thus his 28 opinion on this point was conclusory and insufficient.

21

Case: 19-1602 Document: 44-1 Page: 26 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 22 Filed: 05/17/2019

Mr. Kushnick testified that he chose three nozzles out 1 2 of the seventy-five because the specific nozzle used by Cyclean was never disclosed, and he was able to 3 4 determine which Lechler nozzle would be appropriate based on the flow rate and pressure from Cyclean's 5 engineering orders. <u>Id.</u> at 133:4-11. Mr. Kushnick 6 7 further testified that he chose the three nozzles 8 specifically so that one had a pressure flow below 9 Cyclean's, one above, and one in the middle, with the 10 idea that if all three tests produce particles within 11 the claimed range, then whatever nozzle picked will likewise produce particles in the range. Id. at 12 13 133:12-134:10.

14 Defendant's argument is the same argument it made 15 in attempting to exclude Mr. Kushnick as an expert-that he only tested three nozzles in the Lechler 652 series, 16 17 when there are seventy-five nozzles in the Lechler 652 series. Mot. at 13:21-28; see also Order re Mot. to 18 Exclude Expert Op. 19, ECF No. 189. 19 The Court 20 previously rejected this argument when Defendant 21 brought it in its <u>Daubert</u> challenge, and now Defendant 22 does not offer anything new other than pointing to Dr. 23 Micklow's trial testimony to again rely on conflicting 24 expert testimony as reason to grant judgment under Rule 25 50 or a new trial under Rule 59. Defendant argues that 26 Dr. Micklow's testimony shows that Mr. Kushnick's 27 methods were deficient because he did not take into 28 account the different spray angles, and that Mr.

22

Case: 19-1602 Document: 44-1 Page: 27 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 23 Filed: 05/11/2019

Kushnick actually did not test a nozzle with a flow 1 rate above Cyclean's.³ However, as Plaintiff points 2 out, neither Defendant nor Dr. Micklow produced, 3 4 purchased, or tested any nozzles. Opp'n Ex. C, Trial Tr. 6/29/18 at 60:20-24, 92:16-18. Dr. Micklow did not 5 even ask what nozzles were used in the Cyclean system. 6 7 Id. at 60:25-61:2. Defendant only points to Dr. Micklow's testimony without any supporting evidence 8 that Mr. Kushnick's methods were unreliable. 9

10 Second, as to the particle size limitation, claim 1 11 of the '860 Patent further recites that the liquid 12 particle size be in the range of 250-120 µm. Apgar Decl. Ex. 2 at 4:8-9. Defendant argues that Mr. 13 14 Kushnick's opinion that Cyclean satisfies the particle 15 size limitation relies on an incorrect understanding 16 that the claims require the washing system to spray 17 only a single particle within the recited range. Irrespective of Mr. Kushnick's opinion on how many 18 particles must be in range,⁴ Defendant conceded that Mr. 19

20

³ Both experts agreed that Cyclean operates with flow rates up to 34 liters per minute, but Dr. Micklow testified that Mr. Kushnick did not test any nozzle with a flow rate above 21 liters per minute. Apgar Decl. Ex. 3, Trial Tr. 6/27/18 140:2-8, ECF No. 303-4; <u>id.</u>, Ex. 5 at 37:15-38:23.

⁴ Defendant points to instances where Mr. Kushnick testified that there need only be one in-range particle. But of the excerpts cited, the Court found one instance where Mr. Kushnick testified it was his opinion that if 15% of particles are within range it would infringe, and on a follow-up question when asked his opinion if there was one particle in range, Mr. Kushnick answered that it would still satisfy the limitation. <u>See</u> Apgar Decl. Ex. 3 at 185:21-186:6, 138:4-17.

Case: 19-1602 Document: 44-1 Page: 28 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 24 Filed: 05/17/2019

Kushnick's testing ultimately showed that at least 15-1 2 35% of the liquid particles fell within the claimed range of sizes. See Def.'s Mot. re Indefiniteness at 3 4, ECF No. 273 (citing Trial Tr. 6/27/28 at 134:17-24, 4 5 138:4-13; Def.'s Mot. re Indefiniteness, Ex. A, Kushnick Dep. at 169:18-23, ECF No. 273-1). Absent any 6 7 evidence to the contrary, the jury weighed each expert's testimony and determined that this was 8 9 sufficient for infringement.

10 In sum, both of Defendant's arguments as to the pressure limitation and particle size limitation rest 11 12 on conflicting expert testimony. The jury heard Mr. Kushnick testify to his testing protocol and conclusion 13 in detail, and the jury heard Defendant vigorously 14 15 cross-examine Mr. Kushnick and attempt to impeach him 16 through Dr. Micklow's testimony. Opp'n Ex. A at 129:5-17 135:17. Ultimately, the jury made its determination based off the expert testimony presented, and Defendant 18 has not shown that the verdict was against the clear 19 20 weight of the evidence. See Summit 6, LLC v. Samsung Elecs. Co., 802 F.3d 1283, 1296 (Fed. Cir. 2015) 21 22 ("[T]he question of whether the expert is credible or 23 the opinion is correct is generally a question for the 24 fact finder, not the court."). As such, the Court 25 **DENIES** Defendant's Motion as to infringement of the 26 '860 Patent

5. <u>Willful Infringement of the `860 Patent</u> Here, the jury unanimously found that Defendant

27

28

24

Case: 19-1602 Document: 44-1 Page: 29 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 25 Filed: 05/11/2019

willfully infringed the '860 Patent during the time 1 from when Plaintiff filed its Complaint on April 22, 2 2016, to when the `860 Patent expired on May 31, 2016. 5 3 4 Defendant argues that the Court should grant judgment 5 under Rule 50(b) that Defendant's infringement of the '860 Patent was not willful because no substantial 6 7 evidence supports the jury's verdict given that (1) 8 Defendant had no pre-suit knowledge of the '860 Patent 9 and (2) Defendant acted reasonably after the suit, and 10 during the one month remaining in the life of the '860 11 Patent. Mot. at 16:7-15.

12 Defendant is correct that there cannot be willful infringement for pre-suit activity without knowledge of 13 a patent prior to litigation. WBIP, LLC v. Kohler Co., 14 15 829 F.3d 1317, 1341 (Fed. Cir. 2016) ("Knowledge of the 16 patent alleged to be willfully infringed continues to 17 be a prerequisite to enhanced damages."). However, Defendant only cites one case, a district court 18 19 decision from Pennsylvania, <u>Dorman Prods., Inc. v.</u> 20 Paccar, Inc., 201 F. Supp. 3d 663, 681 (E.D. Pa. 2016), 21 for its proposition that because the Court already 22 found no willful infringement as to pre-suit 23 willfulness, Plaintiff cannot base its willful infringement claim solely on Defendant's post-filing 24

25 26

⁵ The Court previously held at summary judgment that Defendant did not willfully infringe the `860 Patent before the suit because Defendant had no pre-suit notice of the Patent. Order re Mot. for Partial Summ. J. 24-26, ECF No. 177.

Case: 19-1602 Document: 44-1 Page: 30 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 26 Filed: 05/17/2019

In Dorman, the district court found that 1 conduct. absent evidence of pre-filing willful infringement, a 2 patentee who does not seek a preliminary injunction may 3 not base its claim on post-filing conduct. Id. 4 However, Dorman is not binding authority on this Court. 5 Moreover, "there is 'no rigid rule' that a patentee 6 7 must seek a preliminary injunction in order to seek 8 enhanced damages." <u>Mentor GraphicsCorp. v. EVE-USA</u>, Inc., 851 F.3d 1275, 1296 (Fed. Cir. 2017) (citation 9 10 omitted). In the absence of any controlling authority, this argument alone is insufficient to warrant judgment 11 12 under Rule 50.

Plaintiff argues that the following evidence was 13 adequate to support the jury's finding of willfulness: 14 15 (1) Defendant continued Cyclean washes after being served the Complaint; (2) Defendant continued to 16 17 advance Dr. Micklow's "insupportable" positions through the case and trial; (3) the jury heard evidence that 18 neither Defendant's CEO nor its President in charge of 19 20 Cyclean read the asserted patents or performed any 21 reasonable investigation; and (4) despite having access 22 to information about Cyclean through LHT, Defendant 23 neglected to obtain the relevant information including the identification of the exact nozzles used. Opp'n at 24 25 18:1-13. Defendant argues that the Court already found 26 that Defendant's actions upon service of the Complaint 27 were reasonable. The Court did discuss in its prior Order how Mark Lee, Defendant's chairman, testified 28

26

Case: 19-1602 Document: 44-1 Page: 31 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 27 Filed: 05/17/2019

that he did not read the asserted Patents and that Brad 1 2 Caban, Defendant's president, did not perform any testing, but ultimately concluded that despite those 3 4 failures, Defendant acted reasonably in responding to 5 the Complaint by hiring counsel to read the Patents and provide an opinion. Order at 50-51. However, this 6 7 finding was made in the context of an attorneys' fees 8 analysis and whether Defendant's conduct rose to the 9 level necessary for this to be an "exceptional case". 10 Order at 45-53. Such an inquiry looked at several 11 factors, including the manner of litigation, of which Plaintiff argued Defendant acted unreasonably in 12 response to the Complaint by failing to investigate. 13 Id. This is a distinguishable analysis from that at 14 15 hand-whether Defendant acted in a reasonable manner in 16 litigation is a different question than whether 17 Defendant continued to willfully infringe the '860 Patent upon notice of the Patent. Defendant does not 18 provide any direct authority or point to any other 19 20 evidence to show that there was not substantial 21 evidence supporting the jury's verdict, and as such, 22 the Court **DENIES** Defendants Motion as to willful infringement of the '860 Patent. 23

24

6. <u>Indefiniteness of the `860 Patent</u>

Defendant requests that the Court amend the Judgment to declare the '860 Patent invalid as indefinite under Rule 52(b). Defendant previously filed a Motion for Judgment as a Matter of Law on this

27

Case: 19-1602 Document: 44-1 Page: 32 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 28 Filed: 05/17/2019

issue [273], arguing that the claim term "at a liquid 1 particle size in the range of 250-120 µm" does not with 2 reasonable certainty inform a person skilled in the art 3 4 of the scope of the claim. The Court denied Defendant's Motion [293], finding that Defendant did 5 not prove indefiniteness by clear and convincing 6 7 evidence. Order at 29:9-12 ("Defendant has not put 8 forth any expert testimony or evidence, let alone clear and convincing evidence, that one skilled in the art 9 would not know the boundaries of the claim."). 10

11 Defendant does not now offer any evidence or argument that it did not previously assert in its 12 initial Motion. Defendant dedicates one paragraph to 13 this issue, merely disagreeing with Mr. Kushnick's 14 15 opinion that he could identify an objective measure for determining what percentage of spray droplets must be 16 17 within the claimed range. In making its determination, the Court relied on Mr. Kushnick's testimony and the 18 jury's verdict that enough of Cyclean's particles fell 19 20 within the claimed range, in light of Federal Circuit precedent that "a claim that recites a specific numeric 21 22 range for a physical property may be definite even 23 though prior art products f[a]ll within that range." 2.4 Order at 27:-28 (citing Halliburton Energy Servs., Inc. 25 v. M-I LLC, 514 F.3d 1244, 1252 (Fed. Cir. 2008)). 26 Particularly convincing was that Defendant's expert, 27 Dr. Micklow, did not perform any tests or testify as to 28 indefiniteness. Order at 29:1-12. Seeing as Defendant

28

Case: 19-1602 Document: 44-1 Page: 33 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 29 Filed: 05/17/2019

offers nothing new now, the Court reiterates that it 1 2 was Defendant's burden to provide clear and convincing evidence, and because it failed to, the Court did not 3 4 base its decision on incorrect factual findings. See, e.g., Sentinel Offender Servs., LLC v. G4S Secure 5 Solutions (USA) Inc., No. 8:14-cv-298-JLS-JPRx, 2017 WL 6 7 3485781, at *1 (C.D. Cal. Mar. 22, 2017) (citation omitted) ("A party may not use a Rule 52(b) motion to 8 introduce any new facts or legal theories that were 9 10 available to them at trial, much less re-litigate facts and legal theories that have previously been rejected 11 12 by the court."). Thus, the Court **DENIES** Defendant's 13 Motion as to Indefiniteness of the '860 Patent.

14

2.4

25

26

27

28

7. Jury's Damages Verdict

Defendant argues there is not substantial evidence 15 16 to support the jury's damages award pursuant to the 17 royalty rate of \$400 per wash, because the rate was based on the unreliable opinion of Plaintiff's expert, 18 Mr. Lettiere. Mot. at 19:11-14. Defendant argues that 19 20 Mr. Lettiere's testimony cannot support the damages 21 verdict because it fails to apportion the damages to 22 the value added by the infringing features, and it relies on incomparable licensing agreements. 23

First, Plaintiff argues that Defendant has waived its apportionment argument because Defendant never

29

Case: 19-1602 Document: 44-1 Page: 34 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 30 Filed: 05/11/2019

raised it in its Rule 50(a) Motion,⁶ never cross-1 2 examined Mr. Lettiere on this point, and never 3 requested a jury instruction on apportionment. Opp'n at 18:22-25. Because Rule 50(b) "may be satisfied by 4 5 an ambiguous or inartfully made motion" under Rule <u>Reeves v. Teuscher</u>, 881 F.2d 1495, 1498 (9th 50(a), 6 7 Cir. 1989), the Court finds that Defendant did not 8 waive this argument because its oral Rule 50(a) Motion at least put Plaintiff on notice that it was contesting 9 10 the damages amount based on the sufficiency of Mr. Lettiere's opinion. In any event, Defendant's 11 12 apportionment argument is procedurally proper under Rule 59, which Defendant argues is at issue because the 13 weight of Mr. Lettiere's trial testimony does not 14 15 support the damages amount. Reply at 16:15-22.

Turning to the merits, a patent damages award "must 16 17 reflect the value attributable to the infringing features of the product, and no more." Ericsson, Inc. 18 v. D-Link Sys., Inc., 773 F.3d 1201, 1226 (Fed. Cir. 19 20 2014). Damages must be based on "'evidence tending to 21 separate or apportion the [infringer]'s profits and the patentee's damages between the patented feature and the 22 unpatented features, and such evidence must be reliable 23 24 and tangible, and not conjectural or speculative.'"

25

⁶ In its oral Rule 50(a) Motion, Defendant raised "several deficiencies" with respect to damages, but only specifically identified two: Mr. Lettiere's reliance on other licensing agreements, and that Mr. Lettiere sought damages beyond the expiration date of the '860 Patent. Opp'n Ex. B at 157:10-158:5.

Case: 19-1602 Document: 44-1 Page: 35 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 31 Filed: 05/17/2019

1 Finjan, Inc. v. Blue Coat Sys., Inc., 879 F.3d 1299, 2 1310 (Fed. Cir. 2018) (quotation omitted).

3 Here, Defendant argues that Mr. Lettiere failed to 4 apportion Defendant's profits between the patented and 5 unpatented features. Plaintiff argues that Mr. Lettiere did apportion for any unasserted intellectual 6 7 property, by testifying to his use of two comparable 8 agreements-the 2010 Lease Agreement between Lufthansa 9 Technick AG and Defendant (the "LHT Agreement") and the 2012 License Agreement between Pratt and Whitney and 10 11 Vision Technologies Aerospace, Inc. (the "Pratt & Whitney Agreement"). Mr. Lettiere testified that under 12 the LHT Agreement, Defendant paid a rental fee of \$100 13 14 per wash, and a royalty of \$550 per wash to use 15 Cyclean. 6/27/18 Trial Tr. at 222:13-25. Defendant 16 argues that the LHT Agreement is insufficient to rely 17 on because it is a multi-faceted agreement to license 18 patents, set up a lease agreement for LHT washing 19 equipment, and set up an arrangement for the 20 performance and payment of washes. Mot. at 23:5-11. 21 However, Mr. Lettiere did not include the rental fee in 22 his analysis, and only considered the \$550 royalty to 23 use Cyclean. Moreover, Defendant's own damages expert, 2.4 Ms. Bennis, also relied upon the LHT Agreement to form 25 her opinion. Although Ms. Bennis focused the \$100 26 rental fee rather than the \$550 royalty rate, her 27 reliance shows that she too found the agreement 28 relevant. Opp'n Ex. C at 139-144.

31

Case: 19-1602 Document: 44-1 Page: 36 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 32 Filed: 05/17/2019

As to the Pratt & Whitney Agreement, Mr. Lettiere 1 2 further testified that it granted Plaintiff exclusive 3 rights to an intellectual property portfolio, which included the asserted Patents, and that the comparable 4 5 real-world royalty under this agreement would be \$450 Id. at 217:21-218:1, 220:13-21. Defendant 6 per wash. 7 takes issue with Mr. Lettiere's reliance on the sums 8 paid in the Pratt & Whitney Agreement because the portfolio includes the asserted Patents as two of over 9 10 100 U.S. patents and applications. Mot. at 20:23-28. However, Mr. Lettiere acknowledged that other patents 11 12 are included in the agreement and testified that he found the '860 Patent to be "crucially important" 13 carrying the majority of the value in this portfolio. 14 15 Id. at 219:15-220:5. Further, Plaintiff's President, 16 Mr. Welch, testified that the asserted Patents were 17 "core" patents acquired through this agreement. Trial Tr. 6/27/18 at 54:15-19; Ex. B at 20:21-21:2. 18 The 19 Court finds this testimony adequate to support 20 Plaintiff's position that despite the fact that the 21 Pratt & Whitney Agreement was comprised of other 22 intellectual property, the asserted Patents accounted 23 for the majority of the value, and thus Mr. Lettiere 24 did not find reason to apportion as greatly as 25 Defendant argues.

Nonetheless, Mr. Lettiere still made an adjustment
by taking the number based on Plaintiff's sales
documents and financial records, averaging 690 washes

32

Case: 19-1602 Document: 44-1 Page: 37 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 33 Filed: 05/17/2019

per month, to find that the royalty Plaintiff was 1 2 expected to pay under the agreement was \$450 per wash. Id. at 220:13-24. Mr. Lettiere then made a downward 3 4 adjustment to account for the unasserted intellectual 5 property, as well as an upward adjustment to account for the relationship of the parties to arrive at \$400 6 per wash. Ex. B at 53:1-54:13. In determining what is 7 8 a "reasonable royalty" under 35 U.S.C. § 284, courts consider the rate the parties would have agreed to in a 9 10 hypothetical freely negotiated license. See, e.g., 11 <u>Rite-Hite Corp. v. Kelley Co., Inc.</u>, 56 F.3d 1538, 12 1577-58 (Fed. Cir. 1995). Importantly, Mr. Lettiere testified that both the \$550 per wash rate from the LHT 13 Agreement, and the \$400 per wash rate from the Pratt & 14 15 Whitney Agreement, reflect rates that were agreed to by 16 parties who are not competitors, and that rates agreed 17 to by competitors like Plaintiff and Defendant, would have been much higher. Trial Tr. 6/27/18 at 206-207, 18 19 215-216. Because these two agreements are the only 20 record evidence including a license to the asserted 21 Patents, they were relevant to the jury's 22 determination. Ericsson, 773 F.3d at 1201 (finding 23 that excluding real-world licenses with multi-2.4 components would "make it impossible for a patentee to 25 resort to license-based evidence"). The jury heard the 26 conflicting testimony regarding the two agreements, 27 heard Mr. Lettiere explain how he apportioned the rates 28 based on the agreements, and found the agreements

33

Case: 19-1602 Document: 44-1 Page: 38 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 34 Filed: 05/17/2019

comparable and thus sufficient to award damages
 pursuant to Mr. Lettiere's recommendation. Because
 Defendant has not pointed to evidence other than
 conflicting expert testimony, the Court DENIES
 Defendant's Motion as to the jury's damages verdict.

6

8. <u>Ongoing Royalty Rate</u>

7 Defendant argues that the ongoing royalty rate of 8 \$400 per wash is incorrect because it fails to factor 9 in the expiration of the '860 Patent-which accounted 10 for nearly all of the rate awarded by the jury. Mot. 11 at 23:23-26. Pursuant to the Court's Order that the 12 parties meet and confer regarding an ongoing royalty rate, in a joint submission the parties stated that 13 14 they "agreed that the on-going post-verdict royalty 15 rate should be set at \$400 per infringing wash," but 16 that they disagreed as to whether it should be 17 enhanced. Joint Submission re Royalty 1:1-8, ECF No. The Court declined to enhance the damages, and 18 295. 19 set the ongoing royalty rate per the parties agreement 20 at \$400 per wash. Order re Royalty Submission, ECF No. 21 The Court will not now reconsider the ongoing 296. 22 royalty rate after providing the parties the 23 opportunity to meet and confer and agree upon an 24 amount.

Even if the Court were to consider Defendant's argument, it is without merit. Defendant argues that Mr. Lettiere's recommendation of a \$400 royalty rate does not account for the expiration of the `860 Patent,

34

Case: 19-1602 Document: 44-1 Page: 39 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 35 Filed: 05/17/2019

and a post-verdict royalty should not be based on the 1 2 added value of the '860 Patent. Contrary to Defendant's argument, Mr. Lettiere testified that the 3 4 \$400 rate would have been agreed to during the 5 hypothetical negotiation to apply to the entire time period-including after the expiration of the '860 6 7 Patent. Opp'n Ex. B at 34:11-13 ("The '860 exists during that period of time. It expires, and then the 8 9 '262 exists. My royalty considers the economic life of 10 both of those patents."). Plaintiff also points out 11 that the jury specifically asked for clarification on 12 when the '860 Patent expired during its deliberation and before it awarded damages based on the \$400 royalty 13 rate. Jury Note, ECF No. 258. Thus, the jury took the 14 15 expiration into consideration and Defendant has not 16 shown that the verdict is against the clear weight of 17 the evidence for a new trial under Rule 59. Had the '860 Patent not expired, the royalty rate would have 18 been higher than \$400 per wash. Defendant has not 19 20 provided any evidence other than disagreement with Mr. 21 Lettiere's testimony, which falls short of the heavy 22 burden to demonstrate a clear error of manifest 23 injustice necessitating amendment of the judgment under 24 Rule 52(b). As such, the Court **DENIES** Defendant's 25 Motion as to the ongoing royalty rate. 26 /// 27 ///

28 ///

	Case: 19-1602 Document: 44-1 Page: 40 Filed: 12/04/2019 Case: 19-1602 Document: 4 Page: 36 Filed: 05/17/2019			
1	III. CONCLUSION			
2	Based on the foregoing, the Court DENIES			
3	Defendant's Motion in its entirety.			
4				
5	IT IS SO ORDERED.			
6				
7	DATED: May 7, 2019 <u>s/ RONALD S.W.LEW</u>			
8	HONORABLE RONALD S.W. LEW Senior U.S. District Judge			
9				
10				
11				
12				
13				
14				
15				
16				
17 18				
10 19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
	36			
	Case 5:16-29-01824-RSWL-SPUMent: 44-11 2 #:17	293 9 10/2018 12/04/2019 63 Page ID 247		
----	---	--		
1		0		
2				
3				
4				
5				
6				
7				
8	UNITED STATES DISTRICT COURT			
9	CENTRAL DISTRICT OF CALIFORNIA			
10				
11				
12	ECOSERVICES, LLC,) CV 16-01824-RSWL-SPx		
13	Plaintiff,))) ORDER RE: Defendant's		
14	ν.) Motions for Judgment of) Patent Ineligibility		
15	V •	<pre>[271] and Indefiniteness [273]; Plaintiff's</pre>		
16	CERTIFIED AVIATION SERVICES, LLC,	Motions for Permanent Injunction [275],		
17	Defendant.	Attorneys' Fees [272], and Prejudgment		
18) Interest, Post-Judgment) Interest, Supplemental		
19		Damages, and Costs [274]		
20)		
21)			
22	Currently before the Court is Defendant Certified			
23	Aviation Services, LLC's ("Defendant") Motion for			
24	Judgment of Patent Ineligibility of the '262 Patent			
25	[271]; Defendant's Motion for Judgment of Patent			
26	Indefiniteness of the '860 Patent [273]; Plaintiff			
27	EcoServices, LLC's ("Plaintiff") Motion for Permanent			
28	Injunction [275]; Plaintiff's Motion for Attorneys'			
	1			

Case 5:16-28-01824-45WL-SPUMent: 44-11 2939=ieu 10/26/18 12/04/29 bi 63 Page ID #:17248

1 Fees [272]; and Plaintiff's Motion for Prejudgment 2 Interest, Post-Judgment Interest, Supplemental Damages, 3 and Costs [274]. Having considered all papers submitted pertaining to the Motions, the Court NOW 4 5 FINDS AND RULES AS FOLLOWS: the Court DENIES Defendant's Motions for Ineligibility and 6 7 Indefiniteness; DENIES Plaintiff's Motion for Permanent Injunction; **DENIES** Plaintiff's Motion for Attorneys' 8 9 Fees; and **GRANTS** Plaintiff's Motion for Prejudgment 10 Interest, Post-Judgment Interest, Supplemental Damages, 11 and Costs.

I. BACKGROUND

13 A. <u>Factual Background</u>

12

Plaintiff provides on-wing aircraft engine washing 14 15 using its EcoPower Engine Wash System ("EcoPower"). 16 Def.'s Statement of Uncontroverted Facts in Supp. of Mot. for Partial Summ. J. as to '860 Patent ('860 SUF) 17 18 ¶¶ 2, ECF No. 128-1. Defendant also provides engine 19 wash services in the United States. '860 SUF ¶ 3. 20 Prior to 2010, representatives for Defendant met with 21 Plaintiff's parent companies regarding the possible 22 purchase of EcoPower equipment, but did not reach an 23 agreement. Pl.'s Statement of Facts in Supp. of Opp'n to Mot. for Partial Summ. J. as to '860 Patent ¶¶ 5-6, 24 25 ECF No. 134-1. Defendant then entered into discussions 26 with non-party Lufthansa Technik AG ("Lufthansa") for 27 use of the Cyclean Engine Wash ("Cyclean"). Id. ¶ 6. 28 Defendant leases Cyclean equipment from Lufthansa to

2

Case 5:16-28-01824-13 SWL-SP-Document: 44-1 2939-ieu 10/20/18 12/04/2919 63 Page ID #:17249

1 provide on-wing aircraft engine washing. '860 SUF ¶¶
2 5-6.

3 Plaintiff asserted two patents in connection with EcoPower against Defendants' Cyclean for infringement. 4 5 First, U.S. Patent No. 9,162,262 (the "'262 Patent") is 6 entitled "Automated Detection and Control System and 7 Method for High Pressure Water Wash Application and 8 Collection Applied to Aero Compressor Washing," which 9 the USPTO issued on October 20, 2015. Def.'s Statement of Uncontroverted Facts in Supp. of Mot. for Partial 10 Summ. J. as to '260 Patent ("'262 SUF") ¶¶ 11-12, ECF 11 12 No. 126-1. The jury found that Defendant infringed Claims 1, 9, and 14 of the '262 Patent [264]. Claim 1 13 14 states,

A system for washing turbine engines comprising: a washing unit for providing a washing liquid to the turbine engines; an information detector configured to gather information related to engine type; and a control unit configured to accept the information related to engine type from the information detector and to determine a washing program to be used as a function of the information relating to engine type from a set of preprogrammed washing programs, and further configured to regulate the washing unit according to washing parameters associated with the washing program used.

15

16

17

18

19

20

21

22

Decl. of Gregory Apgar in Supp. of Def.'s Mot. for Partial Summ. J. as to '262 Patent ("Apgar '262 Decl."), Ex. 1 ("'262 Patent") 8:36-47, ECF No. 126-3. Claim 9 states, "The system of claim 1 wherein the information provided by the information detector is used by the control unit to regulate a washing time."

Case 5:16-29-01-824-RSWL-SPUMent: 44-1 29399 iled 10/26/18 12/04/2019 63 Page ID #:17250 1 '262 Patent at 9:11-13. Claim 14 states, A system for washing turbine engines comprising: 2 a washing unit for providing a washing liquid to the turbine engines; an information detector for 3 providing information identifying at least one 4 of washing unit and engine type; and a control unit configured to regulate the washing unit according to washing parameters associated to a particular engine based upon preprogrammed 5 6 control data relating to information provided by detector, the information wherein the 7 preprogrammed control data comprises a washing of available program from а set washing 8 programs. 9 '262 Patent at 10:14-26. 10 Second, U.S. Patent No. 5,868,860 (the "'860 11 Patent"), is entitled "Method of Washing Objects, Such 12 as Turbine Compressors," which the USPTO issued on 13 February 9, 1999. '860 SUF ¶¶ 11-12. The '860 Patent 14 provides parameters for four separate disclosures on 15 its two claims: pressure, particle size, volumetric 16 flow, and particle velocity. Pl.'s Opp'n re Partial 17 Summ. J., Ex. M, '860 Patent, 4:7-18, ECF No. 134-15. 18 At trial, the jury found that Defendant infringed 19 Claims 1 and 2 of the '860 Patent. Claim 1 is directed 20 to a method of washing turbine compressors: 21 quantities wherein small of finely-divided 22 liquid are sprayed onto and through the turbine characterized by compressors, running the 23 compressors and spraying the finelyturbine divided liquid quantities through at least one 24 nozzle towards and through the turbine compressor at an overpressure within the range 25 of 50-80 bars and at a liquid particle size in the range of 250-120 microns, and with a total volumetric flow through the nozzle or nozzles within the range of 0.5-60 l/min., and with a 26 27 liquid particle velocity of 100-126 m/sec. 28 4

Case 5:16-28-01824-13-58 WL-SPUMent: 44-11 293 9 ile 10/2018 12/04/2019 63 Page ID #:17251

1 Id. ¶ 16. Claim 2 is a dependent claim, which recites the "method according to claim 1, characterized by 2 3 using a total volumetric liquid flow within the range of 2-60 l/min." Id. ¶ 17. In prior washing systems, 4 5 centrifugal forces pushed the spray particles outward 6 towards the tips of the compressor fan blades, causing 7 an ineffective wash. '860 Patent at 1:24-36. The '860 Patent's specification states that in its method, 8 9 "[b]ecause the liquid particles are given a size and 10 velocity which together overcome the centrifugal 11 effect, all accessible surfaces of the object will be cleaned effectively and efficiently." Id. at 2:14-18. 12 13 Thus, it is the particle size and method of making small particles of water that renders the '860 Patent 14 15 new as compared to prior washing systems. Trial Tr. 16 6/27/2018 at 104:10-14 (direct testimony of Mr. 17 Kushnick).

The particle size recited in the claims is "a liquid particle size in the range of 250-120 µm." '860 Patent at 4:8-9. Both parties' experts agreed at trial that particles smaller than 120 µm or bigger than 250 µm would not overcome the centrifugal effect and would provide a less effective cleaning. <u>See</u> Trial Tr. 6/27/2018 at 183:7-23; Trial Tr. 6/29/2018 at 19:14-24.

On July 2, 2018, the jury returned a verdict in favor of Plaintiff in the amount of \$1,949,600 based on a royalty rate of \$400 per jet engine wash. Pl.'s Mot. re Interest & Costs 1:4-6, ECF No. 274. The verdict

5

Case 5:16-28-01824-RSWL-SPUment: 44-11 293 9 ieu 10/26/18 12/04/28 19 63 Page ID #:17252

1 confirmed that Defendant's Cyclean infringes all claims 2 of the '262 Patent, and willfully infringes the '860 3 Patent. Pl.'s Mot. re Permanent Injunction ("PI Mot.") 4 1:8-1, ECF No. 275. The '860 Patent expired in May of 5 2016. Plaintiff alleges that Defendant continues to 6 knowingly and willfully infringe the '262 Patent. <u>Id.</u> 7 at 1:14-15.

B. <u>Procedural Background</u>

8

17

19

9 On June 26, 2018, the jury trial in this Action 10 began [245]. On July 2, 2018, the jury reached a 11 verdict [265] in favor of Plaintiff, finding that 12 Defendant infringed the non-obvious '262 Patent. The 13 parties filed the instant Motions [271, 272, 273, 274, 275] on July 25, 2018. The parties timely opposed 14 15 [278, 279, 280, 281, 282], and timely replied [287, 16 288, 289, 290, 291].

II. DISCUSSION

18 A. Legal Standard

1. <u>Patent Eligibility</u>

20 Patent eligibility is a question of law. OIP <u>Techs., Inc. v. Amazon.com, Inc.</u>, 788 F.3d 1359, 1362 21 22 (Fed. Cir. 2015). Section 101 of the Patent Act 23 provides that a patent may be obtained for "any new and 24 useful process, machine, manufacture, or composition of 25 matter, or any new and useful improvement thereof." 35 26 U.S.C. § 101. The Supreme Court has "long held that this provision contains an important implicit 27 28 exception: laws of nature, natural phenomena, and

6

Case 5:16-28-01824-15SWL-SPUMent: 44-11 29399-iled 10/28718 12/04/29 bi 63 Page ID #:17253

abstract ideas are not patentable." Alice Corp. Pty. 1 2 v. CLS Bank, Int'l, 134 S. Ct. 2347, 2354 (2014). "The 3 concern that drives this exclusionary principle" is "one of preemption." Id. In other words, the concern 4 5 is "'that patent law not inhibit further discovery by 6 improperly tying up the future use of' these building 7 blocks of human ingenuity." Id. (quoting Mayo Collaborative Servs. v. Prometheus Labs, Inc., 132 S. 8 9 Ct. 1289, 1301 (2012)). <u>Alice</u> warns courts, however, to "tread carefully in construing this exclusionary 10 principle lest it swallow all of patent law," because 11 12 "[a]t some level, 'all inventions . . . embody, use, 13 reflect, rest upon, or apply laws of nature, natural 14 phenomena, or abstract ideas.'" Id. (quoting Mayo, 132 S. Ct. at 1293). 15

16 Under the two-step framework established in Alice 17 and Mayo, the court first asks "whether the claims at 18 issue are directed to one of those patent-ineligible 19 concepts, " as opposed to "patent eligible applications of those concepts." Id. at 2354-55. If so, the court 20 21 then "consider[s] the elements of each claim both individually and 'as an ordered combination' to 22 23 determine whether the additional elements 'transform 24 the nature of the claim' into a patent-eligible 25 application." Id. at 2355 (quoting Mayo, 132 S. Ct. at 26 1298, 1297). In this second step, the court looks for 27 an "inventive concept," or "an element or combination 28 of elements that is 'sufficient to ensure that the

7

Case 5:16-28-01824-RSWL-SPUment: 44-11 293 9 ieu 10/26/18 12/04/28 0 63 Page ID #:17254

1 patent in practice amounts to significantly more than a 2 patent upon the [ineligible concept] itself.'" Id. 3 (quoting Mayo, 132 S. Ct. at 1294). While each step 4 involves its own separate inquiry, they may "involve 5 overlapping scrutiny of the content of the claims." 6 Elec. Power Grp., LLC v. Alstom S.A., 830 F.3d 1350, 7 1353 (Fed. Cir. 2016).

This standard is easier to articulate than it is to 8 9 apply. Modern Telecom Sys. v. Earthlink, Inc., No. SA 10 CV 14-0357-DOC, 2015 WL 1239992, at *6 (C.D. Cal. Mar. 11 17, 2015). "The line between a patentable 'process' 12 and an unpatentable 'principle' is not always clear," 13 Parker v. Flook, 98 S. Ct. 2522, 2525 (1978), and the Federal Circuit has referred to § 101 jurisprudence as 14 15 a "murky morass." <u>MySpace, Inc. v. GraphOn Corp.</u>, 672 16 F.3d 1250, 1259 (Fed. Cir. 2012) (suggesting, in dicta, 17 that "courts could avoid the swamp of verbiage that is § 101" by addressing patentability defenses under §§ 18 19 102, 103, and 112 before addressing patent eligibility 20 under § 101).

2. <u>Indefiniteness</u>

21

In order to be valid, a patent claim must "particularly point [] out and distinctly claim[] the subject matter which the applicant regards as his invention." 35 U.S.C. § 112, ¶ 2. Claim language must "be precise enough to afford clear notice of what is claimed." <u>Nautilus, Inc. v. Biosig Instruments, Inc.</u>, 134 S. Ct. 2120, 2129 (2014). The definiteness

8

Case 5:16-28-01824-14-SWL-SPUMent: 44-11 293 9 ile 10/2018 12/04/29 bi 63 Page ID #:17255

standard "require[s] [that] a patent's claims, viewed 1 2 in light of the specification and prosecution history, 3 inform those skilled in the art about the scope of the 4 invention with reasonable certainty." Id. A party 5 challenging the validity of a patent must prove 6 indefiniteness by clear and convincing evidence. Cox 7 Commc'ns, Inc. v. Sprint Commc'n Co. LP, 838 F.3d 1224, 1228 (Fed. Cir. 2016). 8

9

20

3. <u>Permanent Injunction</u>

10 To be entitled to a permanent injunction, a 11 plaintiff must demonstrate: (1) that it has suffered an irreparable injury; (2) that remedies available at law 12 13 are inadequate; (3) that the balance of hardships justify a remedy in equity; and (4) that the public 14 interest would not be disserved by a permanent 15 injunction." Apple Inc. v. Samsung Elecs. Co. (Apple 16 17 <u>III)</u>, 735 F.3d 1352, 1359-60 (Fed. Cir. 2013) (citing 18 <u>eBay Inc. v. MercExch., LLC</u>, 126 S. Ct. 1837, 1839 19 (2006)).

4. <u>Attorneys' Fees</u>

The Patent Act provides that "[t]he court in 21 22 exceptional cases may award reasonable attorney fees to 23 the prevailing party." 35 U.S.C. § 285. "[A]n 24 'exceptional' case is simply one that stands out from 25 others with respect to the substantive strength of a 26 party's litigating position (considering both the 27 governing law and the facts of the case) or the 28 unreasonable manner in which the case was litigated."

9

Case 5:16-28=01824683WL-Securifient 293 april 590/26/18: 12/04/2010 63 Page ID #:17256

Octane Fitness, LLC v. ICON Health & Fitness, Inc., 134 1 S. Ct. 1749, 1756 (2014). "District courts may 2 3 determine whether a case is 'exceptional' in the case-by-case exercise of their discretion, considering 4 5 the totality of the circumstances." Id. Fees may be 6 awarded where "a party's unreasonable conduct-while not 7 necessarily independently sanctionable-is nonetheless" 8 exceptional. Id. at 1757. "[A] case presenting either 9 subjective bad faith or exceptionally meritless claims 10 may sufficiently set itself apart from mine-run cases 11 to warrant a fee award." Id. A party must prove its 12 entitlement to fees by a preponderance of the evidence. 13 Id. at 1758.

B. <u>Analysis</u>

14

15

16

1. Patent Eligibility of the '262 Patent

a. Waiver

17 Plaintiff argues that Defendant has waived any 18 invalidity argument under 35 U.S.C. § 101. Pl.'s Opp'n re Ineligibility 1:27, ECF No. 278. As a general 19 matter, invalidity arguments can be proper as post-20 21 trial motions. See Exergen Corp. v. Kaz USA, Inc., 725 22 Fed. Appx. 959, 962 (Fed. Cir. 2018) (reviewing district 23 court's denial of post-trial motion for invalidity 24 under § 101). In <u>Exergen</u>, no factual or legal issues 25 regarding patent eligibility under § 101 were submitted 26 to the jury. Id. Here, the Court identified 27 invalidity of the '262 Patent in its Final Pretrial 28 Conference Order ("FPTC Order"), preserving the issue

10

Case 5:16-28=01824983WL-SecurDectindent 293 april 510/26/18: 12/04/2019 63 Page ID #:17257

1 for trial. See FPTC Order 15, 30-31, ECF No. 209; see 2 e.g., Pierce Cty. Hotel Emps. & Rest. Emps. Health Tr. v. Elks Lodge, B.P.O.E. No. 1450, 827 F.2d 1324, 1329 3 (9th Cir. 1987) (finding issues waived where not 4 5 included in pretrial order). At trial, the Court 6 confirmed that invalidity of the '262 patent is a 7 question of law for the Court to decide, and the 8 parties agreed to a briefing schedule post-trial. <u>S</u>ee 9 Trial Tr. 7/2/2018 at 135:24, 136:1-137:18. Thus, like 10 in <u>Exergen</u>, patent eligibility was not submitted to the jury and properly raised as a post-trial motion. 11 Compare Exergen, 725 Fed. Appx. at 962, with Apple, 12 13 Inc. v. Samsung Elecs. Co., Ltd., No. 12-CV-00630-LHK, 2014 WL 12776506 (N.D. Cal. Aug. 21, 2014) (finding § 14 15 101 waived where there was no disclosure of the 16 argument after its invalidity contentions and not 17 included in pretrial order).

18 As to summary judgment, Plaintiff fails to cite any 19 authority that a § 101 argument is waived unless 20 raised at summary judgment stage. <u>Cf. Move, Inc. v.</u> <u>Real Estate All. Ltd.</u>, 221 F. Supp. 3d 1149, 1157 (C.D. 21 22 Cal. 2016) ("[W]e are aware of no authority suggesting 23 that [plaintiff] was required to move for summary 24 judgment on its § 101 argument in order to preserve 25 this argument.") (internal citation omitted), <u>aff'd</u>, 721 26 F. App'x 950 (Fed. Cir. 2018). Further, patent 27 eligibility is a question of law that "may contain 28 underlying issues of fact." <u>Berkheimer v. HP Inc.</u>, 881

11

Case 5:16-28=01824983WL-Securifient 293 appre 5:10/26/18: 12/04/2019 63 Page ID #:17258

F.3d 1360, 1365 (Fed. Cir. 2018). Because Defendant relies on trial testimony and the jury's verdict for part of its argument,¹ it was reasonable to wait to resolve the § 101 issue until after trial. For these reasons, the Court finds the issue has not been waived.

12

b. Ineligibility Under Section 101 Defendant argues the claims of the '262 Patent are ineligible because (1) they are directed to the abstract idea of automating a conventional engine washing process, and (2) they fail to recite any specific method or machine that could constitute an

"inventive concept" for achieving automation.

13 Under the first step of the Alice inquiry, the Court must determine whether the patent claims at issue 14 15 are directed to an abstract idea. Alice, 134 S. Ct. at 16 There is no definitive rule to determine what 2354. 17 constitutes an "abstract idea." Enfish, LLC v. 18 <u>Microsoft Corp.</u>, 822 F.3d 1327, 1334 (Fed. Cir. 2016). 19 See also DDR Holdings, LLC v. Hotels.com, L.P., 773 F.3d 1245, 1255 ("Distinguishing between claims that 20 21 recite a patent-eligible invention and claims that add 22 too little to a patent-ineligible abstract concept can 23 be difficult, as the line separating the two is not 24 always clear."). When considering whether a claim is 25 directed to an abstract idea, courts "compare the

26

For example, Defendant argues that the meaning of "information detector" was disputed throughout trial, and relies on both expert testimony and the jury's finding to argue that "information detector" is generic for purposes of the <u>Alice</u> test.

Case 5:16-28=01824983WL-Securifient 293 appre 530/26/18: 1-2/04/2919 63 Page ID #:17259

1 claims at issue to those already found to be directed 2 to an abstract idea in previous cases." Enfish, 822 3 F.3d at 1334.

4 Defendant argues that the '262 Patent is ineligible 5 because the bare idea of automating a process is 6 abstract. However, the use of computers or automation itself is not necessarily an abstract idea. Rather, 7 8 courts look at whether the process being automated is 9 an abstract idea. <u>See Research Corp. Techs., Inc. v.</u> 10 Microsoft Corp., 627 F.3d 859, 868 (Fed. Cir. 2010) 11 ("Indeed, the Supreme Court [] refocused this court's 12 inquiry into processes on the question of whether the 13 subject matter of the invention is abstract."). See 14 also McRO, Inc. v. Bandai Namco Games Am. Inc., 837 15 F.3d 1299, 1313 (Fed. Cir. 2016) ("[P]rocesses that 16 automate tasks humans are capable of performing are 17 patent eligible if properly claimed.").

18 In some instances, abstract ideas are "plainly 19 identifiable and divisible from the generic computer 20 limitations" recited by the claim. DDR Holdings, 773 21 F.3d at 1256. For example, in <u>Ultramercial</u>, Inc. v. 22 <u>Hulu, LLC</u>, 772 F.3d 709, 715-16 (Fed. Cir. 2014), 23 claims merely recited the abstract idea of using 24 advertising as a currency in the particular 25 technological environment of the Internet. In <u>buySAFE</u>, 26 Inc. v. Google, Inc., 765 F.3d 1350, 1355 (Fed. Cir. 27 2014), claims simply invoked a generic computer to 28 implement the abstract concept of "creating a

13

Case 5:16-28-01824-983WL-Securifient 293 Pape: 540/26/18: 1-2004/24 09 63 Page ID #:17260

contractual relationship-a 'transaction performance 1 2 quaranty'-that is beyond question of ancient lineage." And in OIP, claims were directed to automation of 3 offer-based price optimization, found to be a 4 5 "fundamental economic concept," which had long been held abstract. See 788 F.3d at 1362 (listing several 6 7 Supreme Court and Federal Circuit decisions finding 8 fundamental economic concepts abstract).

9 On the other hand, the Federal Circuit has found 10 several software-based claims to be patent-eligible, 11 noting that "[s]oftware can make non-abstract improvements to computer technology just as hardware 12 13 improvements can, and sometimes the improvements can be accomplished through either route." Enfish, 822 F.3d 14 15 at 1335 (finding claims reciting a self-referential 16 table for a computer database eligible because the 17 claims were directed to a particular improvement in the 18 computer's functionality). In Enfish, the Federal 19 Circuit contrasted claims "directed to an improvement 20 in the functioning of a computer" with claims "simply 21 adding conventional computer components to well-known 22 business practices" to find the claimed invention 23 achieved benefits over conventional databases, such as "increased flexibility, faster search times, and 24 25 smaller memory requirements." 822 F.3d at 1337-38.

Here, while it is undisputed there is some level of automation in the '262 Patent, Pl.'s Opp'n re Ineligibility at 6:4-5, the claimed process does not

14

Case 5:16-28=01824983WL-Securifient 293 april 293 april 510/26/18: 1-2/04/2919 63 Page ID #:17261

1 use a computer to implement an abstract idea, but 2 rather it uses technology to improve the narrow 3 industry of turbine engine wash systems to ensure 4 quality, performance, and safety. The claims do not 5 fit squarely within abstract ideas found in previous 6 cases, as they do not recite a mathematical algorithm,² 7 nor do they recite a fundamental economic practice as in Alice,³ <u>Ultramercial</u>, <u>buySAFE</u>, and <u>OIP</u>.⁴ 8

9 The question then becomes whether the automation 10 goes beyond merely "organizing [existing] information 11 into a new form" to "focus on a specific means or 12 method that improves the relevant technology," or are 13 "directed to a result or effect that itself is the 14 abstract idea." Apple, Inc. v. Ameranth, Inc., 842

15

16

² Claims that essentially seek to patent an algorithm itself have been found abstract. <u>See Gottschalk v. Benson</u>, 93 S. Ct. 253 (1972); <u>Parker v. Flook</u>, 98 S. Ct. 2522 (1978).

³ The claims at issue in <u>Alice</u> relate to a computerized scheme for mitigating "settlement risk," designed to facilitate the exchange of financial obligations between two parties using a computer system as a third-party intermediary. 134 S. Ct. at 2352.

22 ⁴ Defendant also cites additional cases to support its argument that automation is ineligible, however these cases 23 automate a fundamental economic practice and are not applicable here for the same reasons already discussed. See Intellectual 24 Ventures I LLC v. Capital One Bank (USA), 792 F.3d 1363, 1370 (Fed. Cir. 2015) (claims directed to tracking financial 25 transactions); <u>Bancorp Servs., LLC v. Sun Life Assurance Co.</u> 26 Of Can., 687 F.3d 1266, 1278 (Fed. Cir. 2012) ("[W]ithout the computer limitations nothing remains in the claims but the 27 abstract idea of managing a stable value protected life insurance policy by performing calculations and manipulating the 28 results.").

¹⁵

Case 5:16-28=01824983WL-Securifient 293 appre 5:16-28-01824983WL-Securifient 293 appre 5:16-28-01824983WL - Securifient 293 appre 5:16-28-01824983 appression appress

1 F.3d 1229, 1244 (Fed. Cir. 2016) (internal citations 2 omitted). The distinction is a difficult line to draw 3 between abstract ideas merely claiming results, and non 4 abstract ideas claiming the method of achieving such 5 results. See Elec. Power Grp. LLC v, Alstom S.A., 830 F.3d 1335, 1343 (Fed. Cir. 2016) ("Computer software-6 7 related inventions-due to their intangible nature-can 8 be particularly difficult to assess under the abstract 9 idea exception.").

10 Defendant argues the '262 Patent only claims the 11 result of a more efficient wash by using a computer to 12 automate a conventional process. Because the '262 13 Patent is directed at improving efficiency by 14 eliminating human error, it is most similar in fact to 15 McRO, Inc. v. Bandai Namco Games Am. Inc., 837 F.3d 16 1299 (Fed. Cir. 2016). In McRO, claims directed to 17 automating a 3-D animator's task produced "accurate and 18 realistic lip synchronization and facial expressions," 19 which "previously could only be produced by human 20 animators." 837 F.3d at 1313. The Federal Circuit 21 noted "processes that automate tasks that humans are 22 capable of performing are patent eligible if properly 23 claimed," and to properly claim it, the system must be 24 a *distinct* process from that previously performed by 25 humans. Id. at 1314. Specifically, in prior art 26 animators made subjective determinations, while the 27 claimed invention applies new rules rendering information into a specific format. Id. at 1314-15. 28

16

Case 5:16-28=01824983WL-Securifient 293 april 2710/26/18: 12/04/2919 63 Page ID #:17263

1 Here, like in McRO, the claims seek to automate a 2 task previously done by humans. Following McRO then, 3 the question is whether the automation provides an 4 improvement to the relevant technology used in airline 5 engine wash systems. The Patent's background section describes three steps performed by human operators: (1) 6 "an operator is provided with information regarding the 7 8 engine type, " (2) "[t]he operator is further provided 9 with information regarding the requirements for washing 10 that particular engine type," and (3) "[t]he operator 11 then manually sets the valves to the manifold nozzles 12 in order to obtain the appropriate pressure and flow 13 and keeps track of washing time." '262 Patent at 3:44-55. Essentially, the conventional washing process 14 15 required a human operator to manually select a "specific design washing configuration . . . for each 16 17 specific engine." '262 Patent at 2:46-49. To compare, 18 claim 1 states the claimed invention comprises: (1) a washing unit for providing liquid, (2) an "information 19 20 detector configured to gather information related to engine type" and (3) a control unit configured to 21 22 accept information related to the engine type and 23 determine which washing program to use "from a set of 24 preprogrammed washing programs, " and further "regulate 25 the washing unit according to washing parameters 26 associated with the washing program used." '262 Patent 27 at 8:35-57.

28

Defendant argues the only difference is that the

17

Case 5:16-28=01824983WL-Securifient 293 april 58 0/26/18 12/04/2819 63 Page ID #:17264

1 claimed system, rather than the human operator, selects 2 which washing program to use based on the engine it identifies. However, courts "`must be careful to avoid 3 oversimplifying the claims' by looking at them 4 5 generally and failing to account for the specific 6 requirements of the claims." McRO, 837 F.3d at 1313 (citation omitted). <u>See also Diamond v. Diehr</u>, 101 S. 7 8 Ct. 1048, 1058 n.12 (cautioning that overgeneralizing 9 claims, "if carried to its extreme, make[s] all 10 inventions un-patentable because all inventions can be 11 reduced to underlying principles of nature which, once 12 known, make their implementation obvious").

13 While Defendant is correct that the overall general process is similar in selecting a wash program based on 14 engine type, the claimed invention is distinct. Like 15 16 how the claims in McRO focused on specific rules, claim 17 1 recites that the control unit has specific 18 configurations to regulate the washing unit. The 19 claim's specifications are instructive as they provide examples of how the control unit can be configured to 20 21 improve the prior art process. See Enfish, 822 F.3d at 22 1337 (finding claim specifications bolstered the 23 court's conclusion that the claims are not abstract). 24 For instance, the control unit "may be responsive to 25 characteristics of the used washing liquid emanating 26 from the engine" by evaluating various characteristics, 27 such as types of solids, and adjusting the washing unit "to alter the parameters of the washing procedure." 28

18

Case 5:16-28=01824983WL-Securifient 293 april 293 april 590/26/18: 12/04/2919 63 Page ID #:17265

'262 Patent at 6:5-15. The control unit also "may be configured to process temperature data . . . in order to delay initiating a washing procedure until the washing fluid has reached a predetermined washing temperature." '262 Patent at 7:29-33. Defendant has not shown evidence that human operators could achieve the same.

8 Additionally, in <u>McRO</u> the Federal Circuit found 9 persuasive that in prior art, animators used subjective 10 determinations on which process to implement, rather 11 than specific rules. 837 F.3d at 1314. Similarly, 12 here the claimed invention removes human subjectivity 13 and error. Rather than the operators making the 14 determination on which wash program to use, the control 15 unit based on its specific configurations applies the 16 best program for the given engine type. The Patent's 17 background notes that if the requirements for a 18 particular engine are not followed, the engine could be 19 damaged, "leading to very costly standstill of the 20 aircraft or that the result of the washing procedure is inferior." '262 Patent at 3:60-64. The Patent further 21 22 explains this can happen due to human operators working 23 at night while not fully alert. '262 Patent at 3:56-24 60. Thus, poor results are due to the subjective 25 aspect involved in the operator's choice of wash 26 program, and the claimed invention improves turbine 27 wash systems by completely eliminating subjectivity. 28 Mr. Nordlund's testimony at trial speaks to the need

19

Case 5:16-28=01824983WL-Securifient 293 april 69 0/26/18: 12/04/2010 63 Page ID #:17266

for this improvement. See Trial Tr. 6/27/18 at 82:5-1 2 83:8 (discussing the problem of bad wash results and 3 describing the solution as "an information detector 4 together with a control unit to control the wash unit 5 better and put a process around the timing of the wash 6 and how to perform the wash better"). With the 7 elimination of human error and implementation of the information detector in combination with the control 8 9 unit, the claimed invention therefore improves the 10 existing process with a method distinct from the prior 11 art.

12 In sum, when looked at as a whole, the claims are 13 patent eligible because they are directed to improving 14 the process of washing turbine engines. The use of the 15 computer does not render the claims ineligible. See 16 Enfish, 822 F.3d 1327 ("[W]e are not persuaded that the 17 invention's ability to run on a general-purpose 18 computer dooms the claims."). The computer system is 19 instead used to solve a problem in "conventional 20 industry practice," that being human error in operating 21 prior engine wash systems. <u>See Alice</u>, 134 S. Ct. at 22 2358 (discussing that the claims in <u>Diehr</u> were "patent 23 eligible because they improved an existing 24 technological process, not because they were 25 implemented on a computer"). Because the claims are 26 not directed to ineligible subject matter, the Court 27 does not reach <u>Alice</u> step two. <u>Enfish</u>, 822 F.3d at 28

Case 5:16-28-01824-98 WL-Spcumbert: 44-1 293 appre 610/26/18: 1-2004/2019 63 Page ID #:17267

1 1339.5

5

6

For these reasons, the Court **DENIES** Defendant's Motion for Judgment of Patent Ineligibility of the '262 Patent.

2. Indefiniteness of the '860 Patent

a. Waiver

7 Plaintiff argues as an initial matter that 8 Defendant waived its indefiniteness argument for 9 various reasons, including that Defendant failed to raise it during claim construction, on summary 10 judgment, in its jury instructions, or as part of a 11 12 Rule 50(a) motion. With regard to the claim 13 construction phase, the parties agreed that the claim term "a liquid particle size in the range of 250-120 14 15 um" did not require construction. Order re Claim Construction 7:14-17, ECF No. 80. Plaintiff argues 16 17 Defendant cannot now contest the indefiniteness of this 18 claim term. However, stipulating to a certain claim 19 construction term does not automatically become an admission that the claim term is not indefinite. 20 MeadWestVaco Corp. v. Rexam Beauty and Closures, Inc., 21 22 731 F.3d 1258, 1270 n.8 (Fed Cir. 2013). Nor is the 23 indefiniteness argument waived for this reason. Apple 24 v. Samsung, 932 F. Supp. 2d 1076, 1079 (N.D. Cal.

25

⁵ Defendant argues at length how each individual component of claim 1 is generic and functionally-defined. However, this analysis is best suited for <u>Alice</u> step two and unnecessary to discuss given that the claims are not directed to an abstract idea.

Case 5:16-28=01824983WL-Securifient 293 appril 62 0/26/18: 12/04/2019 63 Page ID #:17268

2013) ("[F]ailure to seek construction of a term during 1 2 claim construction does not constitute waiver of an 3 indefiniteness argument."). <u>See also Versata v. Zoho</u>, 213 F. Supp. 3d 829, 934 (W.D. Tex. 2016) ("Nothing in 4 5 the law confines a party's indefiniteness argument to the claim construction stage of litigation."); <u>Havco</u> 6 Wood Prods v. Industrial Hardwood Prods., No. 10-cv-7 566-wme, 2013 WL 1497429, at *1-2 (W.D. Wis. Apr. 11, 8 9 2013) (rejecting plaintiff's argument that defendant had 10 waived its indefiniteness defense and allowing it as a 11 post trial motion).

12 As to summary judgment, Plaintiff is correct that 13 Defendant did not raise the indefiniteness issue for this claim term, as it only raised indefiniteness for 14 15 the different claim term "small quantities" in the '860 Defs.' Mot. for Summ. J. 1:20-22, ECF No. 145. 16 Patent. 17 While an indefiniteness determination is an issue of law, it can involve underlying questions of fact. 18 19 E.g., UltimatePointer, LLC v. Nintendo Co., 816 F.3d 816, 826 (Fed. Cir. 2016). Here, because Defendants 20 21 rely on trial testimony and issues of fact resolved by the jury in its Motion,⁶ its indefiniteness challenge 22 23 would not have been appropriately resolved on summary 24 judgment. <u>See e.g.</u>, <u>Presidio Components, Inc. v. Am.</u>

25 26

⁶ For example, Defendant relies on "inconsistencies" in Mr. Kushnick's trial testimony regarding his infringement opinion on how many in-range particles would infringe. Def.'s Reply at 2:3-11.

1 <u>Tech. Ceramics Corp.</u>, No. 08cv335 IEG (NLS), 2008 WL 2 3925723, at *3 (S.D. Cal. Aug. 25, 2008).

3 Central to the issue of waiver is whether Plaintiff had been on notice of Defendant's indefiniteness claim. 4 5 Defendant has consistently maintained its 6 indefiniteness claim throughout this litigation. 7 Compare Apple, 932 F. Supp. 2d at 1079 (finding plaintiff on notice because defendant continued to 8 9 raise its invalidity issue in its invalidity contentions and jury instructions, and the court 10 specifically included the issue as a topic defendant 11 12 could address in a non-jury brief) with BioCell Tech. 13 LLC v. Arthro-7, SACV 12-00519-JVS (RNBx), 2013 WL 14 12131282, at *10 (C.D. Cal. Apr. 16, 2016) (finding 15 unfair surprise where defendants did not even mention 16 the term it argued as indefinite prior in the 17 litigation). Defendant first raised indefiniteness of 18 the particle size limitation in its preliminary 19 invalidity contentions. Apgar Supp. Decl., Ex. B, 43-44, ECF No. 291-2. Defendant's expert, Dr. Micklow, 20 21 stated in his invalidity report that the particle size 22 limitation rendered the '860 Patent indefinite. Id. 23 Ex. C, 172-75, ECF No. 291-3. Defendant's Memoranda of 24 Contentions of Fact and Law identified indefiniteness 25 as an issue of law triable to the Court. Def's Mem. re 26 Contentions of Fact and Law 25:4-5, 26:1-3, ECF No. This Court identified indefiniteness of the '860 27 164. 28 Patent as an issue for trial in its Final Pretrial

23

Case 5:16-28=01824-RSWL-SecurDectindent 293 Pappine 64 0/26/18: 1-2/04/24 of 63 Page ID #:17270

Conference Order ("FPTC Order"). FPTC Order 34:26, ECF 1 2 No. 209. Finally, the parties and this Court agreed 3 during trial that indefiniteness of the '860 Patent was 4 a remaining issue to be briefed for the Court to decide 5 after trial. Trial Tr. 7/2/2018 at 135:24-136:14, 137:16-18, 145:23-25. While Plaintiff is correct that 6 7 Defendant did not bring a Rule 50(a) motion, the indefiniteness claim was separate from the jury's 8 9 determination of infringement and identified prior to 10 trial as a remaining issue of law, of which the Court agreed to take post-trial. See Havco, 2012 1497429, at 11 12 *3 ("[I]t is not unusual for the court to consider 13 [indefiniteness] independent of the jury and render an opinion after the jury verdict.") Given that Plaintiff 14 15 has been on notice of Defendant's indefiniteness, the Court finds it appropriate for Defendant to raise the 16 17 issue now.

18

b. Indefiniteness

19 When read in light of the specification and the prosecution history, claims "must provide objective 20 21 boundaries for those of skill in the art." <u>Dow Chem.</u> 22 Co v. Nova Chemicals Corp. (Canada), 803 F.3d 620, 630 23 (Fed. Cir. 2015) (quoting Interval Licensing LLC v. AOL, 24 Inc., 766 F.3d 1364, 1371 (Fed. Cir. 2014). Because 25 claims delineate the patentee's right to exclude, the 26 patent statute requires that the scope of the claims be 27 sufficiently definite to inform the public of the 28 bounds of the protected invention, i.e., what subject

24

Case 5:16-28=01824983WL-Securifient 293 appre 6510/26/18: 1-2/04/2919 63 Page ID #:17271

1 matter is covered by the exclusive rights of the 2 patent; otherwise, competitors cannot avoid 3 infringement, defeating the public notice function of 4 patent claims. <u>Halliburton Energy Servs.</u>, Inc. v. M-I 5 <u>LLC</u>, 514 F.3d 1244, 1249 (Fed. Cir. 2008) (citing 6 <u>Athletic Alts.</u>, Inc. v. Prince Mfg., Inc, 73 F.3d 1573, 7 1581 (Fed. Cir. 1996).

8 Defendant challenges the validity of the '860 9 Patent by arguing that the claim term "at a liquid 10 particle size in the range of 250-120 µm" does not with 11 reasonable certainty inform a person skilled in the art 12 of the scope of the claim. Def.'s Mot. re 13 Indefiniteness 6:5-7, ECF No. 273. According to the '860 Patent's specification, its novel method gives 14 15 particles a size and velocity within the claimed range 16 of 120 to 250 µm, causing it overcome the centrifugal 17 effect resulting in a more effective and efficient 18 wash. '860 Patent at 2:14-18. To compare, prior art 19 systems used particle sizes ranging 150 to 950 µm. 20 '860 Patent at 2:10-13. It is undisputed that 21 particles either smaller than 120 µm or larger than 250 22 µm do not overcome the centrifugal effect, and are thus 23 ineffective at cleaning the compressor. Trial Tr. 24 6/27/18 at 183:7-23; Trial Tr. 6/29/18 at 19:14-24.

The Court first looks to the language of the claim to determine whether the meaning is reasonably clear. Defendant argues that a person skilled in the art would not understand what the particle size limitation

25

Case 5:16-28=01824983WL-Securifient 293 april 69 0/26/18: 12/04/2819 63 Page ID #:17272

1 requires. Defendant relies on Berkheimer v. HP Inc., 2 881 F.3d 1360, 1363-64 (Fed. Cir. 2018), where the claim "minimal redundancies" was "not reasonably clear 3 as to what level of redundancy in the archive is 4 5 acceptable." Contrary to Defendant's argument, 6 <u>Berkheimer</u> is not illustrative because not only does 7 the claim in <u>Berkheimer</u> lack numerical boundaries like 8 the one here, but the terminology used in <u>Berkheimer's</u> 9 claim specification varied inconsistently in describing 10 the level of redundancy by switching from terms such as 11 "eliminating" and "reducing." <u>Berkheimer</u>, 881 F.3d at 12 1363-64. In contrast, the claim term here remains the 13 same fixed range throughout the specification and prosecution history. Indefiniteness arguments come up 14 15 much more frequently in relation to terms of degree 16 like "minimal," "substantially equal to," "about,"; or 17 in relation to subjective phrases such as "aesthetically pleasing." <u>See Datamize, LLC v.</u> 18 19 Plumtree Software, Inc., 417 F.3d 1342, 1351 (Fed. Cir. 20 2005) (internal citations omitted), abrogated on other grounds by 572 U.S. 898. Here, in contrast, there is 21 22 no element of degree or subjectiveness because the term 23 is a fixed range from 120 to 250 µm, particles either 24 fall in that range, or they do not.

Next, because the claimed range of 120 to 250 µm overlaps with the prior art range of 150 to 950 µm, Defendant argues the '860 Patent fails to identify how many particles must fall within the claimed range to

26

Case 5:16-28=01824983WL-Securifient 293 appre 670/26/18: 1-2/04/2919 63 Page ID #:17273

1 infringe. Neither party contends 100% of the particles 2 must be within the claimed range, but Defendant argues 3 one skilled in the art is not informed whether some, a 4 majority, or more particles must be within the range to 5 infringe. Mot. at 6:10-16. Defendant relies on 6 Halliburton, in which the claim "fragile gels" in a 7 patent related to oil field drilling was found to be 8 indefinite for failure to distinguish from prior art 9 fluids. 514 F.3d at 1252. However, the Federal 10 Circuit noted that while it is an important 11 consideration in the definiteness inquiry whether a 12 patent differentiates itself from prior art, "that is 13 not to suggest that a claim can never be definite and 14 yet read on the prior art." <u>Id.</u> at 1252. The Federal 15 Circuit made an important distinction that the fragile 16 gels were indefinite because the claim failed to 17 distinguish how they perform differently from prior art in any way, but "a claim that recites a specific 18 19 numeric range for a physical property may be definite 20 even though prior art products f[a]ll within that 21 range." Id. Here, the '860 Patent is directly on 22 point with the latter scenario. Unlike <u>Halliburton</u>, 23 there is no question that the claim term range of 250-24 120 µm distinguishes from prior art because it is 25 undisputed that only particles in that range overcome 26 the centrifugal effect, of which prior art could not 27 overcome. Thus, the numeric range can be definite even 28 though prior art particles may fall within the range.

27

Case 5:16-28=01824983WL-Securifient 293 april 68 0/26/18: 12/04/2810 63 Page ID #:17274

1 The Court also looks to prosecution history. At 2 trial, Mr. Kushnik testified, and the jury unanimously 3 found, that enough of Cyclean's particles fell within 4 the claimed range to infringe the '860 Patent.' See 5 Trial Tr. 6/27/18 at 136:16-21, 137:9-13. Mr. Kushnick performed 84 tests using Defendant's Cyclean system, 6 7 and while the tests produced a varied range of droplet 8 sizes, at least 35% of the liquid particles fell within Plaintiff's claimed range of sizes. See Trial Tr. 9 10 6/27/28 at 134:17-24; Pl.'s Mot. Ex. A, 169:18-23. 11 The fact that Mr. Kushnick was able to come to a 12 determination that the Cyclean infringes the '860 13 Patent demonstrates that he was able to understand its objective boundaries.⁸ 14

⁷ The parties dispute Plaintiff's reliance on <u>Broadcom Corp</u> 17 v. Emulex Corp., 732 F.3d 1325 (Fed. Cir. 2013) and Bell Commc'ns Research Inc. v. Vitalink Commc'ns Corp., 55 F.3d 615, 622-23 18 (Fed. Cir. 1995), for the proposition that "[i]t is well-settled law that an accused device that sometimes embodies a claimed 19 invention nonetheless infringes." The contention here is not that Cylean sometimes falls completely 100% outside the claimed 20 range to where it "sometimes embodies a claimed invention." 21 Rather, the jury found enough of Cyclean's particles fell within the claimed range, so there is no issue as to whether the Cyclean 22 "sometimes embodies" EcoPower.

15

16

23 Where the specification provides objective criteria to know if a claim limitation is met, the claim will not be 24 indefinite just because one of skill may need to perform some 25 experimentation to determine if the criteria is met. Enzo Biochem, Inc. v. Applera Corp., 599 F.3d 1325, 1336 (Fed. Cir. 26 2010). Here, the specification sets out clear, objective criteria that particle sizes must fall within the claimed range, 27 and the fact that Mr. Kushnik had to test whether enough of Cyclean's particles fell within the range to infringe does not 28 render the claim term indefinite.

28

Case 5:16-28=01824983WL-Securifient 293 april 69 0/26/18: 12/04/2910 63 Page ID #:17275

1 On the other hand, Defendant's expert Dr. Micklow 2 did not perform any tests or testify as to the subject 3 of indefiniteness. The only indefiniteness argument 4 Dr. Micklow put forth was in his invalidity report, 5 which Defendant later abandoned before trial, stating that the particle size term is indefinite because it 6 7 does not describe the way to measure the diameter of 8 the particles. <u>See</u> Def.'s Reply Ex. C, Micklow Report 9 172-72, ECF No. 291-3. Defendant has not put forth any 10 expert testimony or evidence, let alone clear and 11 convincing evidence, that one skilled in the art would 12 not know the boundaries of the claim. See Berkheimer, 13 881 F.3d at 1363 (relying on "the declaration of HP's 14 expert, Dr. Schonfeld, to find that an ordinarily 15 skilled artisan would not have known what the term 16 'minimal redundancy' meant" to find indefiniteness). 17 Thus, because Defendant has failed to prove 18 indefiniteness by clear and convincing evidence, the 19 Court **DENIES** Defendant's Motion for Indefiniteness of 20 the '860 Patent.

21

22

3. <u>Permanent Injunction</u>

a. Waiver

As an initial matter, Defendant argues that
Plaintiff waived its claim for injunctive relief.
Federal Rule of Civil Procedure 26(e) requires a party
to supplement interrogatory responses "in a timely
manner if the party learns that in some material
respect the disclosure or response is incomplete or

29

Case 5:16-28-01824-983WL-Spcument: 44-1293 Pape: 790/26/18: 12/04/3010 63 Page ID #:17276

1 incorrect, and if the additional or corrective 2 information has not otherwise been made known to the 3 other parties during the discovery process or in 4 writing." Where a party fails to disclose information 5 required by Rule 26, "the party is not allowed to use 6 that information or witness to supply evidence on a motion, at a hearing, or at trial, unless the failure 7 8 was substantially justified or is harmless." Fed. R. 9 Civ. P. 37(c)(1).

10 Here, Plaintiff requested a permanent injunction in 11 its Complaint, but Defendant contends that during 12 discovery Plaintiff refused to identify the factual 13 basis for its claim in response to Defendant's interrogatories. See Opp'n Ex. 4, Interrog. No. 10. 14 15 Plaintiff indicated it would produce documents 16 "sufficient to prove its contentions," but never 17 supplemented this response. Plaintiff's damages 18 expert, Mr. Lettiere, did not offer an opinion as to 19 injunctive relief at his deposition. Def.'s Opp'n Ex. 7, Lettiere Dep. Tr. 11:16-20, ECF No. 282-8. 20 21 Defendant argues that as a result, it believed 22 Plaintiff abandoned its injunction claim until shortly 23 before trial when Plaintiff said it would seek an 24 injunction based on "the testimony of the two parties' respective executives and employees." Pl.'s Mem. Fact 25 26 & Law 14:10-12, ECF No. 160. Defendant argues it was 27 prejudiced by having to address new arguments at the 28 post-trial stage, pointing to the fact that Defendant

30

Case 5:16-28=01824983WL-Securifient 293 april 710/26/18: 12/04/2019 63 Page ID #:17277

did not know Plaintiff intended to use its Southwest 1 2 agreements to support its injunction claim. However, Plaintiff's executive testified to the Southwest 3 4 agreements at trial. See Pl.'s Mot. Ex. B at 48:25-5 49:14, 212:11-213:24. Plaintiff indicated before trial it would rely on this testimony, and Defendant had 6 7 ample opportunity to cross-examine regarding the 8 Southwest agreements. Moreover, Defendant has not 9 cited to any authority showing a court refusing to 10 consider the merits of an injunction on this basis.⁹ 11 While Defendant argues Plaintiff never provided the 12 factual basis during discovery, neither did Defendant 13 move to compel additional answers to interrogatories or object to any of the evidence Plaintiff used. 14 The Court thus finds Plaintiff has not waived its claim for 15 injunctive relief. 16

17 18

19

b. Permanent Injunction

i. Irreparable Injury and Adequacy of Legal Remedies

The issues of irreparable harm and adequacy of remedies at law are "inextricably intertwined." <u>ActiveVideo Networks, Inc. v. Verizon Commc'ns, Inc.</u>, 694 F.3d 1312, 1337 (Fed. Cir. 2012). The parties' briefing similarly intertwined the discussion of these

25 26

⁹ Defendant cites to <u>MicroStrategy Inc. v. Business Objects,</u> <u>S.A.</u>, 429 F.3d 1344, 1356-57 (Fed. Cir. 2005), however, there the court excluded "non-expert damage theories" at trial for failure to supplement.

31

Case 5:16-28-01824-98 WL-Spcument: 44-1 293 app: 720/26/18: 1-2004/3919 63 Page ID #:17278

1 two factors, and as such, the two factors are discussed 2 together here.

3 As to the first <u>eBay</u> factor, there is no 4 presumption of irreparable harm upon a finding of 5 patent infringement. <u>Robert Bosch LLC v. Pylon Mfg.</u> <u>Corp.</u>, 659 F.3d 1142, 1148 (Fed. Cir. 2011). Plaintiff 6 7 must show both (1) it will suffer irreparable harm 8 absent an injunction and (2) "a sufficiently strong 9 causal nexus relates the alleged harm to the alleged 10 infringement." Apple Inc. v. Samsung Elecs. Co. (Apple 11 <u>III)</u>, 735 F.3d 1352, 1359-60 (Fed. Cir. 2013) (citation 12 omitted). Here, Plaintiff claims it has suffered three 13 types of irreparable harm as a result of Defendant's 14 patent infringement: (1) lost market share, (2) lost 15 future sales, and (3) erosion in the price point for 16 jet engine washes.

17 As to lost market share and sales, Plaintiff and 18 Defendant are direct competitors in the jet engine 19 washing industry. See, e.g., Ex. D, Trial Tr. 6/29/18 20 at 147:17-21. Defendant argues that Plaintiff has not 21 shown lost market share caused directly by Defendant, 22 as Plaintiff competes with several other engine washing 23 providers. Plaintiff argues that while there are other 24 competitors, the two parties provide the most efficient 25 washes by using the atomization of water from the '860 26 Patent. However, Plaintiff's President, Mr. Welch, 27 agreed that because the '860 Patent has expired, any 28 competitor can use that technology to compete with

32

Case 5:16-28=01824683WL-Securifient 293 app: 730/26/18: 12/04/3910 63 Page ID #:17279

Plaintiff. <u>See</u> Trial Tr. 6/27/18 at 57:9-14. Rochem, another competitor, has a system that already does some type of atomization. <u>See id.</u> at 58:1-3. Additionally, Mr. Welch testified that another competitor Arrow Jet, and airlines who use Arrow Jet's equipment, also take away business from Plaintiff. <u>See id.</u> at 58:4-17.

7 While Mr. Welch identifies Defendant as the only 8 direct competitor successful in using atomized washing 9 technology, <u>id.</u> at 58:17-19, this is not persuasive. 10 First, it only indicates lost market share to the 11 expired '860 Patent, and not the '262 Patent, for which 12 Plaintiff is seeking an injunction. In short, a 13 permanent injunction as to the '262 Patent will not prevent competitors from implementing the technology of 14 15 the '860 Patent to atomize its water and compete with 16 Plaintiff. Second, Plaintiff also loses business to 17 its other competitors. Plaintiff only cites to losing 18 one customer, Jet Blue, when it decided not to re-up 19 its contract indicating it would "be testing the Cyclean system." See id. at 49:8-14. However, Mr. 20 21 Welch testified that it lost United Airlines as a 22 customer because it went back to using the Shepard's 23 hook, a technique used by other competitors including 24 Arrow Jet. Id. at 58:24-59:10. And Plaintiff also 25 lost Spirit Airlines to a different competitor, Rochem. 26 Id. at 59:11-12. Because Plaintiff has lost customers 27 to competitors other than Defendant, this does not favor a finding of irreparable harm. See Belden Techs. 28

33

Case 5:16-28-01824-98 WL-Spcumbert: 44-1 293 april 740/26/18: 1-2/04/3919 63 Page ID #:17280

Inc. v. Superior Essex Commc'ns LP, 802 F. Supp. 2d 1 2 555, 577 (D. Del. 2011) (finding no irreparable harm 3 where "plaintiffs and defendants are not the only competitors in [a] multi-supplier market"); Apple, Inc. 4 5 v. Samsung Electronics Co., Ltd., (Apple I), 678 F.3d 1314, 1324-25 (Fed. Cir. 2012) ("A mere showing that 6 7 [plaintiff] might lose some insubstantial market share 8 as a result of [Defendant's] infringement is not 9 enough.").

10 As to price erosion, Plaintiff's damages expert testified that Plaintiff had to lower its per engine 11 12 wash price by more than \$800 per wash to keep Southwest 13 as a client after Southwest said in negotiations that 14 Plaintiff has competitors offering comparable wash 15 results at lower prices. See Ex. B at 212:11-213:24, 225:6-226:12. As Defendant points out, there is no 16 17 evidence of the substance of the negotiations, the 18 state of the engine washing market in 2014 compared to 19 other years, or whether Southwest actually received a lower offer from Defendant or any other competitor. 20 This alone is insufficient to show irreparable harm by 21 price erosion because there is no showing Plaintiff 22 23 would have been able to retain its original price but for Defendant's use of Cyclean.¹⁰ See Ericsson, Inc. v. 24

25

Prods. Co., 717 F.3d 1336, 1344 (Fed. Cir. 2013), to argue that price erosion is often "difficult to quantify," however the court there discussed price erosion as to "reputation and brand distinction." Plaintiff has not made that argument here.

Case 5:16-28=01824683WL-Securifient 293 april 750/26/18: 12/04/3910 63 Page ID #:17281

Harris Corp., 352 F.3d 1369, 1378-79 (Fed. Cir. 1 2 2003) (discussing detailed expert analysis showing "but 3 for the infringing activity, the patentee would have 4 made the infringer's sales"); Crystal Semiconductor 5 Corp. v. TriTech Microelectronics Intern., Inc., 246 F.3d 1336, 1359 (Fed. Cir. 2001) ("[A] patentee must 6 7 produce credible economic evidence to show the decrease 8 in sales, if any, that would have occurred at the 9 higher hypothetical price.").

10 Plaintiff must also show a causal nexus between the 11 irreparable harm and Defendant's infringement. The 12 patented feature does not need to be the "exclusive 13 reason for consumer demand," but rather, Plaintiff need only show "some connection between the patented feature 14 15 and demand for [Defendant's] products." Apple III, 735 16 at 1364. This can be shown by evidence that a patented 17 feature is one of several features that cause consumers 18 to make their purchasing decisions, or with evidence 19 that inclusion of a patented feature makes a product 20 significantly more desirable. Id.

21 Here, as Defendant points out, it is the expired 22 '860 Patent's use of atomized water that has driven 23 competition, and there is no evidence of a demand for 24 the '262 Patent. Plaintiff argues that even if the 25 claimed features of the '860 Patent are the primary 26 draw for customers, those features are dependent on the 27 features of the '262 Patent for using the Cyclean 28 system. Plaintiff relies on <u>TransPerfect Global, Inc.</u>

35

Case 5:16-28=01824983WL-Securifient 293 april 20126/18: 12/04/3810 63 Page ID #:17282

v. MotionPoint Corp., No. C 10-2590 CW, 2014 WL 1 2 6068384, at *6 (N.D. Cal. Nov. 13, 2014), where the 3 court found causal nexus based on testimony that infringing features of "implicit navigation" and 4 5 "single action translation" were "integral parts of the 6 system" and "impossible to use" without them. However, 7 Plaintiff provides no evidence that the Cyclean is impossible to use without the '262 features. Nor has 8 9 Plaintiff shown any consumer demand for the '262 10 features.¹¹ As such, Plaintiff has failed to make the 11 requisite showing as to a causal nexus. See Power 12 Integrations, Inc. v. Fairchild Semiconductor Int'l, 13 Inc., No. C 09-5235 MMC, 2015 WL 604582, at *4 (N.D. 14 Cal. Feb 12, 2015) (finding no causal nexus between 15 plaintiff's alleged lost sales and infringing feature because the accused products contain other features 16 17 that 'attract customers').

As to the second <u>eBay</u> factor, Plaintiff provides few arguments as to why monetary damages are inadequate. First, Plaintiff argues there is a

21

²² ¹¹ Mr. Welch testified several times that the `860 Patent is what drives demand, and provided no testimony as to the '262 23 Patent drawing customers. See Trial Tr. 6/27/18 46:18-24 ("And we really believed that the atomized engine wash process showed 24 much more value for our customers. And that was part of what we 25 did sell to customers"); id. at 62-63 (testifying that Lufthansa and Defendant were the first to eliminate a post wash 26 runoff with atomized water, and that Plaintiff lost bids to Air Canada and Easy Jet to Defendant for this reason); id. at 67:1-7 27 (testifying that Plaintiff viewed Defendant as a threat because "if they didn't have atomizing technology . . . it wouldn't 28 matter").
Case 5:16-28=01824-98-3WL-Securoset: 44-1293 Pape: 710/26/18: 12/04/3919 63 Page ID #:17283

1 collectability-risk because Defendant is a smaller 2 company. However, Plaintiff points to no evidence 3 suggesting Defendant is unable or unwilling to pay, and 4 even relies on the fact that engine washing is only a 5 part of Defendant's revenue in arguing balance of the hardships below.¹² Without any evidence, the Court 6 cannot determine Defendant is unable to pay. Plaintiff 7 8 also argues that monetary damages are difficult to 9 quantify because of the financial arrangement between Defendant and Lufthansa, the developer of the Cyclean 10 system. Defendant provided two agreements it had with 11 12 Lufthansa: a lease agreement where Defendant pays 13 Lufthansa \$100/month for each Cyclean unit, and an 14 engine wash agreement where Defendant performs the 15 washes for a set fee. See Def.'s Mot. re Partial Summ. J., Exs. 2-3, ECF Nos. 145-2, 145-3. Plaintiff argues 16 17 that without more, there is not enough insight into the finances of Lufthansa. However, Mr. Lettiere, 18 19 Plaintiff's damages expert, testified that he had "enough data" on Lufthansa's financials and explained 20 how he accounted for Lufthansa in his determination of 21 22 a reasonable royalty rate. <u>See</u> Trial Tr. 6/28/18 at 23 23:4-25:5.

24

26

25

Plaintiff further argues monetary damages are inadequate because Defendant will "drag out this

37

¹² Plaintiff points out that Defendant made \$3 million in 27 Cyclean revenue from 2010-2017, however this is not Defendant's sole source of revenue as Plaintiff also noted the Cyclean is a 28 small part of revenue.

Case 5:16-28=01824983WL-Securifient 293 appind 7810/26/18: 1-2004/38101 63 Page ID #:17284

litigation as long as possible" and continue to 1 2 infringe the '262 Patent in the meantime. Plaintiff 3 points to an email exchange following trial, in which 4 the parties' counsels disagreed over whether continued 5 sale of the Cyclean constitutes willful infringement of 6 the '262 Patent. <u>See Pl.'s Mot. Ex. A, ECF No. 275-2.</u> 7 Defendant's response also indicates it intends to 8 proceed through further post judgment motions and an 9 appeal to the Federal Circuit. See id. However, 10 Plaintiff provides no other evidence directly showing 11 Defendant continues to infringe upon the '262 Patent, 12 or that if they did, how an ongoing royalty rate would 13 be inadequate. Without more, Plaintiff has not shown 14 monetary damages would be inadequate.

15 The facts weigh against Plaintiff on this factor. 16 For example, Plaintiff has demonstrated a willingness 17 to license its patents. Plaintiff tried to send two 18 pre-suit licensing letters to Defendant to license its 19 patents. See Order re Def,'s Mot. for Partial Summ. J., 25:6-15, ECF No. 177 ("In these letters . . . 20 21 Plaintiff discusses patents, including the '860 Patent, 22 that are available for licensing."). While the letter 23 did not list the '262 Patent, Plaintiff's President Mr. 24 Welch testified that the '860 Patent is the most 25 valuable, see Trial Tr. 6/27/18 at 71:13-16, thus a 26 willingness to license the '860 Patent demonstrates 27 Plaintiff finds monetary compensation adequate in 28 comparison to its patent rights. Further, in a recent

38

Case 5:16-28=01824983WL-Securifient 293 april 293 april 790/26/18: 1-2/04/3910 63 Page ID #:17285

press release discussing the jury verdict in this case 1 2 Mr. Welch stated that Plaintiff "welcome[s]. . . 3 interested parties to discuss licensing opportunities" 4 over the use of Plaintiff's patents. See Def.'s Opp'n, 5 Ex. 3, ECF No. 282-4. Plaintiff's willingness to 6 license its patents to both Defendant and other 7 competitors supports a finding that monetary damages 8 are adequate. See Cave Consulting Grp., LLC v. 9 Optuminsight, Inc., No. 5:11-CV-00469-EJD, 2016 WL 10 4658979, at *21 (N.D. Cal. Sept. 7, 2016) (finding that 11 where a patent holder is willing to "forego its patent rights for compensation," "monetary damages are rarely 12 13 inadequate. . . ") (citation omitted); <u>ActiveVideo</u>, 694 F.3d at 1339(finding Plaintiff sought to "broadly and 14 15 extensively license [its] technology . . . including a 16 campaign to secure a license from [Defendant] itself").

17 Moreover, contrary to Plaintiff's arguments, the 18 damages in this case are quantifiable. Mr. Lettiere 19 stated in his expert report that "[i]f [Defendant] is found liable, reasonable royalty compensation would be 20 21 the appropriate measure of damages in this matter." 22 Def.'s Mot. to Exclude, Ex. D, Mr. Lettiere Expert 23 Report, 2, ECF No. 144-4. See Conceptus, Inc. v. 24 Hologic, Inc., No. 09-cv-02280, 2012 WL 44064, at *2 25 (N.D. Cal. Jan. 9, 2012) (finding harm quantifiable, and 26 that "it would be disingenuous" for patent holder to 27 argue otherwise because patent holder's expert argued for the reasonable royalty rate that the jury awarded). 28

39

Case 5:16-28=01824983WL-Securifient 293 april 890/26/18: 1-2/04/2010 63 Page ID #:17286

1 While Plaintiff argues it lost customers such as Jet 2 Blue, and had to lower prices as to Southwest, both are 3 forms of quantifiable harm compensable by monetary 4 See ActiveVideo, 694 F.3d at 1338 (finding damages. 5 that when an infringer pays the patent holder a monthly 6 royalty, the patent holder is adequately compensated). After hearing Mr. Lettiere's expert testimony and 7 8 viewing the entire record of evidence, the jury decided 9 to impose a royalty rate of \$400 per wash-the same 10 amount Mr. Lettiere recommended. See Pl.'s Mot. Ex. C 11 at 16-20. Plaintiff has not made a sufficient showing 12 such a royalty rate is inadequate.

Accordingly, the first two <u>eBay</u> factors weigh against granting a permanent injunction.

15

ii. Balance of Hardships

16 The balance of hardships assesses the "relative 17 effect of granting or denying an injunction" by 18 considering factors such as the "parties' sizes, 19 products, and revenue sources." <u>i4i Ltd. Partnership</u> 20 v. Microsoft Corp., 598 F.3d 831, 862 (Fed. Cir. 2010). 21 Here, Plaintiff argues that the balance of hardships 22 weighs in its favor because on one hand, EcoPower 23 washes are Plaintiff's primary line of business, while 24 Defendant's engine washing, on the other hand, is an 25 ancillary part of its business. For example, corporate 26 representatives for Defendant testified that engine 27 washing is a "small part" of Defendant's business and overall revenue. <u>See Pl.'s Mot. Ex. C, Trial Tr.</u> 28

40

Case 5:16-28=01824683WL-Securifient 293 applied 10/26/18: 12/04/2010 63 Page ID #:17287

6/28/18 74:6-11, 132:22-133:2, ECF No. 275-4. 1 In 2 contrast, Mr. Welch testified that the EcoPower system 3 is Plaintiff's primary business. Pl.'s Mot. Ex. B, 32:6-8, ECF No. 275-3. Defendant can also continue its 4 5 engine wash business by using non-infringing methods such as the Shepard's hook. See Ex. B at 48:8-12; 6 7 58:4-7; 58:20-21. Although Defendant repeatedly 8 characterized itself as a "small company," see, e.g., 9 Pl.'s Mot. Ex. E, Trial Tr. 6/26/18 at 56:1-2, 58:12, 10 60:5-7, 92:9-13, there is no evidence that an 11 injunction would put Defendant out of business or that 12 Defendant is in financial trouble. Additionally, the 13 jury found Defendant to be a willful infringer and as such, "[o]ne who elects to [utilize a business method] 14 15 found to infringe cannot be heard to complain if an 16 injunction against continuing infringement destroys the business so elected." <u>eBay</u>, 547 U.S. at 583-84. 17

18 On balance, this factor weighs in favor of granting 19 a permanent injunction.

20

iii. Public Interest

21 In general, protecting the rights of patentees and 22 enforcing the patent system serves the public interest. 23 See ActiveVideo, 694 F.3d at 1341. The exclusive 24 rights protected by patents "represent the public's 25 willingness to sacrifice access to an invention or 26 method . . . to allow the inventor the opportunity to 27 recoup her investment." Edwards Lifesciences AG v. 28 Core Valve, Inc., 699 F.3d 1305, 1314 (Fed. Cir. 2012).

41

Case 5:16-28=01824983WL-Securifient 293 april 8210/26/18: 1-2/04/2019 63 Page ID #:17288

Here, public health and welfare is not at issue, so there is no question of whether the infringing products are considered "necessary to the public." <u>See eBay</u>, 547 U.S. at 586-87. Neither is Defendant a huge corporation whose marketplace brings together millions of consumers. <u>See id.</u>

7 Defendant relies on <u>Apple III</u> to argue that the 8 public interest does not favor an injunction when the 9 patent covers only a "non-core" feature of a product 10 having a large number of unpatented features. In Apple 11 III, the concern was that while phones contained infringing features, they contained a "far greater 12 13 number of non-infringing features to which consumers would no longer have access to" if an injunction were 14 15 issued. 735 F.3d at 1372. The concern was that entire 16 products would be enjoined based on "limited non-core features." Id. Here, the facts are not comparable. 17 18 Plaintiff's engine wash system is within a small, 19 unique market unlike that of cell phones, which are 20 used by the public at large on a daily basis. There is 21 also not an equal concern that entire products will be 22 enjoined, as there are several other non-infringing 23 competitors still able to wash turbine engines.

In sum, while Plaintiff has shown that the balance of hardships and public interest weigh in favor of granting a permanent injunction, Plaintiff has not made a sufficient showing of irreparable harm, or that legal damages are inadequate. The jury adopted Plaintiff's

42

Case 5:16-28=01824983WL-Securifient 293 appre 830/26/18: 1-2/04/2919 63 Page ID #:17289

1 own damages expert's reasonable royalty rate, and in 2 light of Plaintiff's willingness to license, the Court 3 finds Plaintiff will be adequately compensated with an 4 ongoing royalty rate (discussed below) should Defendant 5 continue infringe the '262 Patent.

For these reasons, the Court **DENIES** Plaintiff's7 Motion for Permanent Injunction.

8

c. Royalty Rate

9 In the absence of a permanent injunction, a patentee may be entitled to receive ongoing royalties. 10 11 Paice LLC v. Toyota Motor Corp., 504 F.3d 1293, 1314 (Fed. Cir. 2007). A post-verdict royalty is 12 13 fundamentally different from a pre-verdict royalty. <u>Amado v. Microsoft Corp.</u>, 517 F.3d 1353, 1361 (Fed. 14 15 Cir. 2008). For determining an ongoing post-judgment royalty rate, the rate the jury adopted is "significant 16 17 as a starting point," but the court "cannot simply apply the jury's pre-verdict royalty award to the post-18 19 verdict infringement, without considering the impact of changed circumstances." Fresenius USA, Inc. v. Baxter 20 Intern., Inc., No. C 03-1431 PJH, 2012 WL 761712, at 21 22 *11 (N.D. Cal. Mar. 8, 2012), vaca. on other grounds by 23 721 F.3d 1330.

Here, Plaintiff acknowledges that following <u>Paice</u>, courts often conduct a "'modified' <u>Georgia-Pacific</u> analysis that takes into account the traditional

27 28

43

Case 5:16-28=01824983WL-Securifient 293 april 8410/26/18: 12/04/2019 63 Page ID #:17290

<u>Georgia-Pacific</u> factors,¹³ but also considers the new 1 2 legal status quo between the parties," including "any 3 continuing infringement [that] is willful by definition." Pl.'s Mot. 14:11-14 (citing Paice, 609 F. 4 5 Supp. 2d at 624-31). However, Plaintiff provides no 6 evidence to guide the Court on an ongoing royalty rate other than one email suggesting Defendant continues to 7 infringe the '262 Patent.¹⁴ In <u>Paice</u>, the Court relied 8 9 on new expert analysis for an ongoing royalty rate 10 issue that took into account a new hypothetical 11 negotiation following the changed legal status after 12 the jury's verdict. 609 F. Supp. 2d at 625. Indeed, 13 the cases following Paice, of which Plaintiff relies 14 on, all considered substantially more evidence to 15 determine an ongoing rate than what Plaintiff has presented here. See Boston Sci. Corp. v. Cordis Corp., 16 17 838 F. Supp. 2d. 259 (D. Del. 2012) (presented expert 18 testimony for an ongoing royalty rate); Mondis Tech.

19

The <u>Georgia-Pacific</u> Court set forth fifteen factors to be considered in a reasonable royalty analysis, with the central premise being a fictional hypothetical negotiation occurring at the time infringement began between a willing licensor and willing licensee. <u>Paice</u>, 609 F. Supp. 2d at 624 (discussing <u>Georgia-Pacific Corp v. United States Plywood Corp.</u>, 318 F. Supp. 1116 (S.D.N.Y. 1970)).

¹⁴ The Court acknowledges that "[f]ollowing a jury verdict and entry of judgement of infringement and no validity, a defendant's continued infringement will be willful absent very unusual circumstances." <u>Affinity Labs</u>, 783 F. Supp. 2d 891, 899 (E.D. Tex. 2011). However, Plaintiff has provided no direct evidence of Defendant's continued infringement other than an email exchange between counsel disputing what constitutes "willful."

Case 5:16-28=01824983WL-SecurDectindent 293 april 850/26/18: 1-2/04/2819 63 Page ID #:17291

1 <u>Ltd. v. Chimei InnoLux Corp.</u>, 822 F. Supp. 2d. 639, 646 2 (E.D. Tex. Sept. 30, 2011) (court conducted a full 3 <u>Georgia-Pacific</u> analysis and had evidence of ongoing 4 willful infringement).

5 While the Court agrees with Plaintiff that any 6 ongoing royalty rate should not be less than the \$400 rate the jury awarded, Plaintiff has provided no 7 evidence for the Court to determine whether an 8 9 increased rate is justified. Thus, the Court directs 10 the parties to negotiate an ongoing royalty for the 11 '262 Patent. See Paice, 504 F.3d at 1315 (finding 12 ongoing royalties should not be provided "as a matter 13 of course whenever a permanent injunction is not imposed," and in many cases, the "district court may 14 15 wish to allow the parties to negotiate a license among 16 themselves").

17

4. <u>Attorneys' Fees</u>

18 As an initial matter, Plaintiff argues that the 19 jury's verdict for willful infringement of the '860 20 Patent is an appropriate basis for attorneys' fees. 21 District courts have in the past awarded attorneys' 22 fees based upon willful infringement. S.C. Johnson & 23 Son, Inc. v. Carter-Wallace, Inc., 781 F.2d 198, 200 24 (Fed. Cir. 1986) ("District courts have tended to award 25 attorney fees when willful infringement has been 26 proven, and [the Federal Circuit] has uniformly upheld 27 such awards.") (collecting cases). While the district 28 court must articulate a basis for finding exceptional

45

Case 5:16-28=01824983WL-Securifient 293 april 890/26/18: 12/04/2819 63 Page ID #:17292

1 circumstances, "[i]t is equally necessary for the trial 2 court to explain why [there] is not an exceptional case 3 in the face of its express finding of willful 4 infringement." Id. at 201. As Defendant points out, 5 these cases were decided before Octane, which requires a "case-by-case exercise of [] discretion, considering 6 7 the totality of the circumstances." Octane, 134 S. Ct. 8 at 1756. However, the Federal Circuit has since 9 reenforced S.C. Johnson & Son, that within the totality 10 of the circumstances, it is still necessary to explain why a case is not exceptional when there has been a 11 12 finding of willful infringement. See Energy Heating, 13 LLC v. Heat On-The-Fly, LLC, 889 F.3d 1291, 1307 (Fed. Cir. 2018). Here, the jury unanimously found in favor 14 15 of Plaintiff on all counts, but only found willful 16 infringement of the '860 Patent, which has expired. As 17 such, the jury finding alone is not sufficient to award 18 attorneys' fees and the Court proceeds through the 19 totality of the circumstances analysis.

20 21 a. Substantive Strength of Defendant's Litigation Position

Plaintiff first argues that Defendant's expert, Dr. Micklow, premised his non-infringement theory on false "facts" and assumptions. First, Plaintiff argues Defendant did not inform Dr. Micklow what nozzles the Cyclean system uses, despite having received that information from Lufthansa. <u>See Pl.'s Reply Ex. B,</u> Trial Tr. 6/28/18 at 149:3-12 (Mr. Caban testifying

46

Case 5:16-28-01824-983WL-Securifient 293 Paper: 8710/26/18: 12/04/2919 63 Page ID #:17293

1 that he was informed the Cyclean uses the Lechler 652 2 nozzle). However, Dr. Micklow testified that he did 3 not test the Cyclean nozzles or ask about the nozzles 4 used because he "didn't think it was pertinent to the 5 engineering analysis," demonstrating he did not base 6 his opinion on the type of nozzles used. <u>See</u> Trial Tr. 7 6/29/18 at 60:24-61:21-22.

8 Plaintiff then points to three instances where it 9 claims Dr. Micklow based his non-infringement theory at trial on false assumptions, including: (1) that a 100-10 foot hose was used in the Cyclean system, (2) that the 11 hose used in the Cyclean system had "50-60 bends", and 12 13 (3) that the rotational velocity of the engine fan 14 during a Cyclean wash was 2550 revolutions per minute. 15 Defendant characterizes these as "minor factual dispute[s]" and "non-issue[s] with no bearing on the 16 17 substantive strength of Defendant's non-infringement position." Indeed, Plaintiff picks out and 18 19 mischaracterizes excerpts of Dr. Micklow's testimony from trial.¹⁵ Moreover, Defendant's non-infringement 20 21 position was not based solely on Dr. Micklow's

23 ¹⁵ As to the hose length and number of bends in the hose, Dr. Micklow testified that information is relevant to the 24 pressure limitation of Claim 1 of the '860 Patent, but that he could not provide an opinion of the exact pressure lost because 25 "[e]very wash that's done for the Cyclean system will be 26 different." Trial Tr. 6/29/18 at 25:21-22. Dr. Micklow testified that he could not assume a specific number of bends. 27 See id. at 25:21-26:2. Dr. Micklow thus did not appear to rely on the hose length and bends, but discussed them to show the 28 variables that could affect pressure loss.

22

Case 5:16-28-01824983WL-Securifient 293 appre 8810/26/18: 12/04/2819 63 Page ID #:17294

testimony, let alone these four facts. <u>See</u> FPTC Order 1 2 at 27-30 (identifying key evidence and arguments for 3 the non-infringement position such as patent history, 4 testimony of Melissa Bennis, discovery documents, 5 videos and photos, testimony of CAS witnesses, and admissions made by Plaintiff's inventors). Nor was 6 Defendant's entire litigation position based on Dr. 7 Micklow's non-infringement analysis. See FPTC at 30-31 8 9 (identifying invalidity claims of both patents that rely on the patents themselves, prior art, 10 publications, and admissions made by the inventors and 11 12 Plaintiff's witnesses during depositions).

13 Second, Plaintiff argues Defendant's invalidity case was substantively weak. Plaintiff first claims 14 15 that Dr. Micklow applied the wrong legal standard for written description, when he testified that it "needs 16 to be explicitly defined." See Pl.'s Mot. Ex. C, Trial 17 Tr. 6/29/18 63:1-3. However, Dr. Micklow testified he 18 did not "consider that to be a standard," but an 19 "approach." Id. at 62:24-25. The remainder of Dr. 20 21 Micklow's opinions demonstrate he did not rely on this 22 standard in forming his invalidity opinion.¹⁶ Plaintiff further claims Dr. Micklow did not know that the USPTO 23

- 24
- 25

¹⁶ For example, Dr. Micklow articulated the correct legal standard in his invalidity report. <u>See Micklow Invalidity Report</u> ¶ 33, ECF No. 190-2 (testifying to the standard that the specification must "reasonably convey to a person of skill in the art that the inventor had possession of the claimed invention as of the filing date").

Case 5:16-28=01824983WL-Securifient 293 april 8910/26/18: 1-2/04/2919 63 Page ID #:17295

1 had addressed the written description requirement 2 during prosecution, but the trial testimony directly contradicts this. Dr. Micklow answered that he did 3 know the USPTO made a rejection for written description 4 5 when asked at trial. Id. at 65:1-4. Finally, Plaintiff claims Dr. Micklow did not provide a 6 motivation to combine references in his invalidity 7 8 analysis of the '262 Patent. Again, this misconstrues 9 the record because Dr. Micklow testified that an ordinary artisan would have been motivated to combine 10 the prior art.¹⁷ <u>See</u> Trial Tr. 6/29/18 at 12:15-13:12. 11 12 Plaintiff's counsel objected to Dr. Micklow's testimony 13 acknowledging it was directed to motivation. Id. at 13:15 (Mr. Pabis objecting that "[a]ny testimony on 14 motivation is brand new"). 15

16 While Plaintiff points to issues with Dr. Micklow's 17 testimony, Plaintiff misconstrues parts of the record and has not shown they render Defendant's entire 18 19 litigation position unreasonably weak. Notably, Plaintiff never throughout litigation filed motions to 20 compel, motions for summary judgment, or motions to 21 22 exclude Dr. Micklow's expert opinions. See Prism 23 Techs. LLC v. T-Mobile USA, Inc., 696 Fed. Appx. 1014,

24

49

Moreover, a motivation to combine is not always required for an obviousness analysis. <u>See KSR Int'l Co. v. Teleflex Inc.</u>, 550 U.S. 398, 419-20 (2007) ("In determining whether the subject matter of a patent claim is obvious, neither the particular motivation nor the avowed purpose of the patentee controls."); <u>In</u> <u>re Mouttet</u>, 686 F.3d 1322 (Fed. Cir. 2012) (finding obviousness irrespective of motivation).

Case 5:16-28=01824983WL-Securifient 293 april 20126/18: 1-2004/3010 63 Page ID #:17296

1018 (Fed. Cir. 2017) ("[Defendant's] decision to forego 1 2 summary judgment of non-infringement belies its 3 arguments regarding the purported weakness of [plaintiff's] infringement position."). An award of 4 5 attorney fees is not a "penalty for failure to win a patent infringement suit." Octane, 134 S. Ct. at 1753 6 (internal quotation omitted). Ultimately, while 7 8 Defendant's expert may have been unconvincing to the 9 jury, Defendant's overall litigation position was not so frivolous to make this case stand out from others. 10

11

b. Manner of Litigation

12 Plaintiff first argues that Defendant did not act 13 reasonably after receiving notice of the Complaint. 14 Defendant's chairman, Mark Lee, testified that he did 15 not read the asserted patents upon learning of the 16 lawsuit, and still had not read them at the time of 17 trial. <u>See</u> Pl.'s Mem., Ex. A, Trial Tr. 6/28/18, 78:12-18, ECF No. 272-2. Mr. Caban, Defendant's former 18 19 president, testified that Defendant did not perform any testing to determine whether it infringed the asserted 20 patents. See id. at 145:16-146:1. However, Plaintiff 21 relies on cases where it was a failure on the 22 23 plaintiff's part to conduct proper pre-suit 24 investigations before bringing an infringement action.¹⁸

25

26 ¹⁸ <u>See Int'l Intellectual Mgmt. Corp. v. Lee Yunn Enters.</u>, <u>Inc.</u>, No. 2:08-cv-07587, 2009 U.S. Dist. LEXIS 132872, at *6 (C.D. Cal. Dec. 14, 2009) (finding plaintiff did not make proper pre-suit investigation); <u>Eltech Sys. Corp. v. PPG Indus.</u>, Inc., 903 F.2d 805, 808, 810 (Fed. Cir. 1990) (patentee's expert

Case 5:16-28=01824983WL-SecuroBent: 44-int 293 april 210/26/18: 1-2/04/3010 63 Page ID #:17297

1 Here, it was Plaintiff's burden to investigate and 2 prove a valid infringement claim, and Defendant acted reasonably in defending it. See Finjan, Inc. v. Blue 3 Coat Systems, Inc., No. 13-cv-03999-BLF, 2016 WL 4 5 3880774, at *15 (N.D. Cal. July 18, 2016) (denying fees because, "as the accused infringer, [defendant] was 6 obligated to defend against [plaintiff's] numerous 7 8 asserted patents and claims," and the defendant "did 9 not choose to bring this lawsuit, but once sued, 10 defended itself in a determined manner") reversed on other grounds by 879 F.3d 1299. Mr. Lee and Mr. Caban 11 are not patent attorneys, and acted reasonably 12 13 responding to the Complaint by hiring counsel to read the patents and provide an opinion.¹⁹ With no evidence 14 to suggest otherwise, the Court assumes Defendant's 15 16 counsel would review the patents and only pursue 17 defenses believed to have merit.

Plaintiff also argues that Defendant's conduct during the litigation was unreasonable because Defendant dropped claims close to trial. Three days before trial, Defendant dropped its invalidity defense as to the '860 Patent. <u>See</u> Pl.'s Mem., Ex. B (Email from Defendant's counsel on June 22, 2018, indicating Defendant "is no longer intending to assert its defense

25

26 performed no tests, yet concluded that defendant infringed).

¹⁹ Additionally, Mr. Caban testified that his work focused on line maintenance and go team, and not the Cyclean system. <u>See</u> Pl.'s Mot. Ex. A, Trial Tr. 6/28/18 at 148:21-25.

51

Case 5:16-28=01824983WL-Securifient 293 april 20/26/18: 1-2/04/3919 63 Page ID #:17298

of invalidity of the '860 Patent under 35 USC § 103"). 1 2 Less than two weeks before trial, Defendant dropped its 3 indefiniteness argument as to the '860 Patent. See Def.'s Opp'n re MIL 6 n.3, ECF No. 221. And two weeks 4 5 before trial, Defendant dropped most of its prior art 6 references it would use at trial against the '262 7 Patent. However, the mere fact that Defendant dropped 8 some defenses does not mean that Defendant's behavior 9 was exceptional. Plaintiff did not bring summary 10 judgment on these issues, suggesting they were not 11 objectively meritless. Further, the Court denied summary judgment as to invalidity of the '860 Patent, 12 13 allowing that issue to proceed. See Order Re Partial 14 Summ. J. 30, ECF No. 189. Without more, Plaintiff has 15 not shown the claims were objectively meritless, and 16 Defendant's narrowing of the claims for trial were not 17 exceptional. See Chrimar Holding Co., LLC v. ALE USA 18 <u>Inc.</u>, Nos. 2017-1848, 2017-1911, 2018 WL 2120618, at 19 *11-12 (Fed. Cir. May 8, 2018) (nonprecedential) (affirming denial of § 285 fees to patentee because the 20 21 defendant's act of dropping many of its defenses and counterclaims, some even during trial, "fell within the 22 23 range of ordinary practices involving the narrowing of claims for trial"); <u>Radware, Ltd. v. F5 Networks, Inc.</u>, 24 25 No. 5:13-cv-02024-RMW, 2016 WL 4427490, at *9 (N.D. 26 Cal. Aug. 22, 2016) (finding defendant's decision to 27 abandon its obviousness at trial not exceptional). 28 Plaintiff otherwise does not point to litigation

52

misconduct. For instance, there is no indication 1 2 Defendant refused to respond to interrogatories, 3 discovery requests, or refused to provide witnesses for 4 depositions. Courts have even denied attorneys' fees 5 to parties that have acted in bad faith. See Lee v. 6 <u>Mike's Novelties, Inc.</u>, No. CV 10-2225-VBF (Jcx), 2011 7 WL 13177625 (denying attorneys' fees where defendant 8 conducted bad faith settlement offers, bad faith 9 discovery practices, and threatened to report 10 Plaintiff's counsel to the state bar), aff'd, 608 Fed. 11 App'x 946. In contrast, Plaintiff has not shown any 12 such bad faith by Defendant.

In sum, considering the totality of the circumstances, Plaintiff has failed to show that Defendant put forth its defense with either bad faith or exceptionally meritless claims. Because this case is not "exceptional" under 35 U.S.C. § 285, Plaintiff is not entitled to recover its attorneys' fees and the Ocurt **DENIES** Plaintiff's Motion for Attorneys' Fees.

20

5. <u>Prejudgment Interest</u>

In patent litigation, prejudgment interest on 21 22 damages is awarded pursuant to 35 U.S.C. § 284, which 23 states, in part, "[u]pon a finding for the claimant the 24 court shall award the claimant damages adequate to 25 compensate for the infringement, but in no event less 26 than a reasonable royalty for the use made of the 27 invention by the infringer, together with interest and costs as fixed by the court." This interest should be 28

53

Case 5:16-28=01824683WL-Securifient 293 appre 840/26/18: 1-2/04/3919 63 Page ID #:17300

1 awarded from the time infringement began until the entry of judgment. <u>See</u>, <u>e.g.</u>, <u>Bio-Rad Laboratories</u>, 2 Inc. v. Nicolet Instrument Corp., 807 F.2d 964, 967 3 4 (Fed. Cir. 1986). Prejudgment interest is "necessary" 5 in a typical case "to ensure the patent owner is placed 6 in as good a position as he would have been in had the 7 infringer entered into a reasonable royalty rate." Gen. Motors Corp. v. Devex Corp., 103 S. Ct. 2058 8 9 (1983). "[P]rejudgment interest should ordinarily be 10 awarded absent some justification for withholding such 11 an award." Id.

12 Here, Defendant argues Plaintiff delayed assertion 13 of the '860 Patent by nearly six years from when Defendant first announced it was using Cyclean. 14 In 15 <u>General Motors</u>, the Supreme Court specifically noted 16 that a patentee's undue delay in prosecution could 17 justify a denial of prejudgment interest. See Crystal 18 Semiconductor Corp. v. TriTech Microelecs Int'l, Inc., 19 246 F.3d 1336, 1361-62 (Fed. Cir. 2001) (denying prejudgment interest where the plaintiff delayed 20 21 bringing suit for two years as a litigation tactic). In 22 Crystal Semiconductor, the defendant presented evidence 23 that the delay was a litigation tactic through 24 testimony of plaintiff's former president who said they 25 sent letters to 30-40 companies infringing their 26 patents but did not send any to defendant, despite 27 already determining the defendant was infringing. 246 28 F.3d at 1362. Here, unlike Crystal Semiconductor,

54

Case 5:16-28-01824-93 WL-Sp UD8 cument 293 Pape: 95 0/26/18: 1-2004/3910 63 Page ID #:17301

1 Defendant has not put forth any evidence that 2 Plaintiff's delay was a litigation tactic or how 3 Defendant was prejudiced in any way. Without more, the 4 Court finds prejudgment interest appropriate. See 5 Lummus Indus., Inc. v. D.M. & E. Corp., 862 F.2d 267, 275 (Fed. Cir. 1988) ("[A]bsent prejudice to the 6 7 defendants, any delay [by the patentee] does not 8 support the denial of prejudgment interest.").

9 The Court must next determine the proper rate to 10 apply. Because there is no standard rate for 11 calculating prejudgment interest provided in the 12 statute, the district court has "substantial 13 discretion" to determine the interest rate in patent 14 infringement cases. <u>See Gyromat Corp. v. Champion</u> <u>Spark Plug Co.</u>, 735 F.2d 549, 556-57 (Fed. Cir. 15 16 1984) ("We conclude that the determination whether to 17 award simple or compound interest [] is a matter 18 largely within the discretion of the district court."). 19 Here, Plaintiff argues prejudgment interest should be 20 based upon the California state statutory rate of seven 21 percent, while Defendant argues the Treasury Bill ("T-22 Bill") rate should apply. Many courts in the Ninth 23 Circuit have calculated prejudgment interest based upon 24 the California state statutory rate of seven percent. 25 See, e.g., Carl Zeiss Vision Int'l GMBH v. Signet 26 <u>Armorlite, Inc.</u>, No. 07-cv-0894 DMS (DHB), 2012 U.S. 27 Dist. LEXIS 105928, at *7-8 (S.D. Cal. July 27, 28 2012) (awarding the California statutory rate of seven

55

percent); Presidio Components Inc. v. Am. Technical 1 2 Ceramics Corp., 723 F. Supp. 2d 1284, 1330 (S.D. Cal. 3 2010) aff'd in part, vacated in part, 702 F.3d 1351 (Fed. Cir. 2012) (same finding "California courts have 4 5 found that a simple interest rate of 7% is usually appropriate to fully compensate the plaintiff for the 6 7 infringement"); In re Hayes Microcomputer Prods., 766 8 F. Supp. 818, 824-25 (N.D. Cal. 1991) (same), aff'd, 982 9 F.2d 1527 (Fed. Cir. 1992).

10 It is also within the Court's discretion to choose the state statutory rate over the T-Bill rate 11 12 specifically.²⁰ See Bard Peripheral Vascular, Inc. v. 13 W.L. Gore & Assoc., Inc., No. CV 03-0597, 2009 WL 920300, at *2-*3 (D. Ariz. Mar. 31, 2009) (awarding 14 15 state statutory rate of 10 percent because "[i]n the context of patent infringement, the T-Bill rate is 16 17 often inappropriate, as its lower rate of return has 18 the potential to result in a windfall profit for the wrongful interloper . . . "), aff'd, 670 F.3d 1171 19 (Fed. Cir. 2012), vac. in part on other grounds, 682 20 21 F.3d 1003 (Fed. Cir. 2012); Server Tech., Inc. v Am.

²⁰ Defendant cites to a number of cases applying the T-Bill 23 rate to support the contention that an affirmative demonstration of borrowing is required to award anything other than the T-Bill 24 rate. However, the Federal Circuit has rejected this idea and 25 maintained that the court has wide discretion. See Studiengesellshaft Kohle, m.b.H. v. Dart Industries, Inc., 862 26 F.2d 1564, 1579-80 (Fed. Cir. 1988) (rejecting defendant's argument there is a rule requiring "affirmative demonstration" 27 because "the question of the rate at which such an award should be made is a matter of left to the sound discretion of the trier 28 of fact").

22

Case 5:16-28=01824983WL-Securdent:44-1293 april 293 april 20/26/18: 12/04/3919 63 Page ID #:17303

Power Conversion Corp., No. 3:06-CV-00698-LRH-VP, 2015
WL 1505654, at *6 (D. Nev. Mar. 31, 2015) ("[T]he court
finds that [the] proposed Treasury Bill rate would not
cover inflation over the infringing period. . . .").

5 Thus, the state statutory rate of seven percent is 6 more likely to put Plaintiff in the position it would 7 have been had Defendant entered into a reasonable 8 royalty rate agreement. Accordingly, the Court **GRANTS** 9 prejudgment interest at the rate of seven percent 10 simple interest per annum.

11

6. <u>Post-Judgment Interest</u>

12 Under 28 U.S.C. § 1961, post-judgment interest 13 "shall be allowed on any money judgment in a civil case recovered in a district court...." Section 1961 14 15 further provides that "[s]uch interest shall be 16 calculated from the date of the entry of the judgment, 17 at a rate equal to the weekly average 1-year constant maturity Treasury yield, as published by the Board of 18 19 Governors of the Federal Reserve System, for the calendar week preceding the date of the judgment." 28 20 21 U.S.C. § 1961. The Federal Circuit defers to the 22 relevant circuit for interpretation of the 23 post-judgment statute. Transmatic Inc. v. Gulton 24 <u>Indus. Inc.</u>, 180 F.3d 1343, 1347-48 (Fed. Cir. 1999). 25 The Ninth Circuit has held that the award of 26 post-judgment interest is mandatory. <u>Barnard v.</u> 27 Theobald, 721 F.3d 1069, 1078 (9th Cir.2013). Thus, 28 the Court **GRANTS** post-judgment interest, calculated in

57

Case 5:16-28-01824-98 WL-Securifient 293 applied 810/26/18: 1-2004/2019 63 Page ID #:17304

the manner set forth in 28 U.S.C. § 1961(a).

2

1

7. <u>Supplemental Damages</u>

3 Plaintiff also seeks supplemental damages based on 4 the infringing washes that occurred in the period from 5 January 2018 through entry of final judgment. Under 6 the Patent Act's damages provision, "the court shall 7 award the claimant damages adequate to compensate for 8 the infringement, but in no event less than a 9 reasonable royalty for the use made of the invention by 10 the infringer, together with interest and costs as fixed by the court." 35 U.S.C. § 284. Furthermore, 11 12 "[w]hen the damages are not found by a jury, the court 13 shall assess them." Id. Patentees are entitled to 14 supplemental damage awards for infringing sales that a 15 jury does not consider and precedes entry of a permanent injunction. See Finjan, Inc. v. Secure 16 17 Computing Corp., 626 F.3d 1197, 1212-13 (Fed. Cir. 18 2010) (awarding damages for infringing sales for 17 19 months between entry of judgment and injunction that 20 the jury did not consider); Asetek Danmark A/S v. CMI <u>USA, Inc.</u>, No. 13-cv-00457-JST, 2015 WL 5568360, at *21 21 22 (N.D. Cal. 2015) (awarding the patentee supplemental 23 damages and an accounting for all sales made after the 24 end date of the damages period proved at trial through 25 the issue date of the injunction) vaca. on other 26 grounds by 852 F.3d 1352; Hynix Semiconductor Inc. v. 27 Rambus Inc., 609 F. Supp. 2d 951, 960-61 (N.D. Cal. 28 2009) (same). The amount of supplemental damages is

58

Case 5:16-28=01824983WL-Securifient 293 appre 910/26/18: 1-2/04/3910 63 Page ID #:17305

1 within the sound discretion of the court. <u>Amado v.</u>
2 <u>Microsoft Corp.</u>, 517 F.3d 1353, 1362 n.2 (Fed. Cir.
3 2008).

4 Here, although the jury's verdict was entered on 5 July 2, 2018, the jury's damages award was limited to 6 the period from April 2010 through December 2017. See Pl.'s Mot. Ex. B, Trial Tr. 6/28/18 at 17:17-18:17, ECF 7 8 No. 274-4. Plaintiff requests the Court order 9 Defendant to supplement its financial disclosure to 10 show the number of washes it has performed from January of 2018 until entry of the final judgment, and award a 11 12 royalty rate of \$400 per wash. Defendant argues there 13 is no evidence in the record from which the jury could 14 have determined a reasonable royalty for any ongoing 15 infringement of the '262 Patent. Defendant relies on 16 Boston Scientific Corp. v. Johnson & Johnson, 550 F. 17 Supp. 2d 1102, 1122 (N.D. Cal. 2008), however, there 18 the patentee did not call its damages expert to testify 19 to any reasonable royalty rate. As Plaintiff points out, the \$400 royalty rate which the jury adopted, 20 21 includes the washes performed after the expiration of 22 the '860 Patent. Unlike Boston Scientific, Plaintiff's 23 damages expert, Mr. Lettiere, testified at trial that 24 the \$400 royalty rate applies to the entire time 25 period, and that a royalty for the time period when 26 both patents remained in force would have been higher. 27 The '860 Patent expired on May 31, 2016, and Mr. 28 Lettiere's rate still covered the period from that date

59

Case 5:16=cv-019:24-RSWL-Spument: 44-nt 293a9=ieb10/26/18d: 22/04/201963 Page ID #:17306

1 through December 2017. Thus, Mr. Lettiere's opinion 2 was that \$400 per wash was a reasonable royalty rate 3 for the time period covering only the '260 Patent; as 4 such it is also a reasonable rate for the period from 5 January 2018 until the jury entered its verdict on July 6 2, 2018.

7 Because the jury's damages award did not include 8 the time from January 2018 to July 2, 2018, the Court 9 **GRANTS** supplemental damages and orders Defendant to 10 supplement its financial disclosure for this time 11 period and awards a royalty rate of \$400 per wash for 12 the infringing washes accounted for. See Asetek, 2015 13 WL 55683.60, at *21 (awarding supplemental damages at the same rate for infringing sales over the two month 14 15 period from the date the jury's damages was limited to, 16 to entry of its verdict).

8. <u>Costs</u>

17

18 Federal Rule of Civil Procedure 54(d) provides that 19 "unless a federal statute, these rules, or a court 20 order provides otherwise, costs-other than attorney's 21 fees-should be allowed to the prevailing party." See 22 also Shum v. Intel Corp., 629 F.3d 1360, 1365 (Fed. 23 Cir. 2010). Defendant argues costs should be denied 24 because, (1) Plaintiff filed baseless assertions of the 25 '609 Patent causing unnecessary expenses; (2) the 26 closeness and difficulties of the issues in this case; 27 (3) the chilling effect on future similar actions; and 28 (4) the economic disparity between the parties.

60

Case 5:16 - C - 018-24 - C SWL - Seument: 44 - 1 293 - 96 - 10/25/18 - 2018-24 - C - 018-24 - C - 018-29 - 018-24 - C - 018-24 -

1 Here, Defendant argues Plaintiff brought a baseless 2 assertion of the '609 Patent only to lose at summary 3 judgment, however Defendant also brought claims it 4 dropped prior to trial, as discussed above in regard to 5 attorneys' fees. Second, the closeness of the case is 6 not supported by the fact that the jury rendered a unanimous verdict in favor of Plaintiff. 7 Third, Defendant's reliance on <u>Ass'n of Mexican-American</u> 8 9 Educators v. State of Cal., 231 F.3d 572 (9th Cir. 10 2000) is unpersuasive in comparison to the facts here. 11 In Ass'n of Mexican-American Educators, the parties 12 were individuals and nonprofit organizations with 13 record evidence of limited resources, bringing action on "the gravest public importance" affecting the 14 15 state's public school system as a whole. 231 F.3d 572 16 at 293. The chilling effect in Ass'n of Mexican-17 <u>American Educators</u> concerned plaintiffs bringing civil 18 rights claims, and Defendant has not explained how 19 costs to a prevailing patentee would have any similarly 20 damaging effect. Finally, Defendant argues they are a 21 smaller company in comparison to Plaintiff resulting in 22 economic disparity. However, Defendant also argues in 23 its concurrently filed Opposition to Plaintiff's Motion 24 for Permanent Injunction that there is no evidence of a 25 collectability-risk from Defendant despite its small 26 size. Def.'s Opp'n re Permanent Injunction 12:2-7, ECF 27 No. 282 ("Just because a company is small does not mean 28 it is in poor financial shape."). Defendant cannot

61

Case 5:16=cv-019-24-RSWL-Spument: 44-nt 293a94ie1020/26/18d: 22/04/2201963 Page ID #:17308

1 claim its size renders a disparity while simultaneously 2 arguing its size does not indicate financial issues. 3 Moreover, Defendant's position cannot be compared to 4 that of a nonprofit organization like in <u>Ass'n of</u> 5 <u>Mexican-American Educators</u>.

In sum, Defendant has not shown sufficient reasons 6 7 to deny costs to Plaintiff. Because the jury 8 unanimously entered a verdict for Plaintiff, the Court 9 finds Plaintiff is the prevailing party entitled to 10 statutory costs.²¹ 11 111 12 /// 13 /// 14 ///

- 15 ///
- 16 ///
- 17 /// 18 ///
- 19 ///
- 20 /// 21 ///
- 22 ///
- 23 ///
- 24 ///
- 25 ///
- 26

^{27 &}lt;sup>21</sup> Plaintiff only requests the Court find Plaintiff is the 28 prevailing party, and will submit a completed Form CV-59 specifying its costs in accordance with Local Rule 54-2.

Case 5:16-20-018-24-RSWL-Spument: 44-1 293-94-10-20/26/18: 42/04/2019 63 Page ID #:17309

1	III. CONCLUSION
2	Based on the foregoing, the Court DENIES (1)
3	Defendant's Motion for Judgment of Ineligibility of the
4	'262 Patent [271]; (2) Defendant's Motion for Judgment
5	of Indefiniteness of the '860 Patent [273]; (3)
6	Plaintiff's Motion for Permanent Injunction [275]; and
7	Plaintiff's Motion for Attorneys' Fees [272]. The
8	Court GRANTS Plaintiff's Motion for Prejudgment
9	Interest, Post-Judgment Interest, Supplemental Damages,
10	and Costs [274]. Within 60 days from the date of this
11	Order, the parties shall meet and confer to negotiate
12	an on-going royalty rate and propose a final judgment
13	in this matter.

15 IT IS SO ORDERED.

14

17

18

19

20

21

22

23

24

25

26

27

28

DATED: October 26, 2018 s/ RONALD S.W. LEW 16

HONORABLE RONALD S.W. LEW Senior U.S. District Judge

63