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0	19	UNITED STATES DISTRICT COURT				
	20	NORTHERN DISTRICT OF CALIFORNIA				
	21	SAN FRANCISCO DIVISION				
	22	ORACLE AMERICA, INC.	Case No. CV 10-03561 WHA			
	23	Plaintiff,	PLAINTIFF'S CORRECTED PROPOSED			
	24	v.	FINDINGS OF FACT AND CONCLUSIONS OF LAW			
	25	GOOGLE, INC.	CONCLUSIONS OF LAW			
	26	Defendant.	Dept.: Courtroom 8, 19th Floor Judge: Honorable William H. Alsup			
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	28					
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1	5.	The individual code files from which Google copied are all part of the source code	
2	for J2SE version 5.0.		
3		Reinhold at RT 693:1-695:9 TX 623.1-10	
4	6.	Sun changed its name to "Oracle America, Inc." when Oracle Corporation	
5	purchased Su	nn. Oracle America is the plaintiff in this action.	
6		ECF No. 525 at 8 (Stipulated Fact 3)	
7	7.	Google has submitted no evidence showing that the registrations cover anything	
8	other than what they purport to claim.		
9	8.	Google has submitted no evidence that the registered code differs from what was	
10	identified at	trial.	
11	II. PRO	POSED FINDINGS OF FACT REGARDING COPYRIGHTABILITY	
12	9.	Class libraries in Java are software libraries of prewritten code that can be reused	
13	by software developers in a wide variety of different programs. There are over 400 classes		
14	containing prewritten code segments, contained in the 37 accused API packages of the class		
15	libraries for J	J2SE Version 5.0.	
16 17		Reinhold at RT 584:10-585:15 Mitchell at RT 1248:13	
18	10.	Java Application Programming Interfaces ("APIs") are documentation, sometimes	
19	referred to as	s specifications, that describe the many elements that make up the class libraries and	
20	the relationsl	nips among them.	
21		Reinhold at RT 585:16-586:6	
22	11.	The Java API packages describe the structure of the class libraries, the names of all	
23	the elements.	, and include English prose that describes how every element is expected to work.	
24	The class lib	raries contain the compiled code.	
25		Reinhold at RT 592:18-593:13	
26	12.	The 37 API packages asserted in this lawsuit are java.awt.font, java.beans, java.io,	
27	java.lang, jav	va.lang.annotation, java.lang.ref, java.lang.reflect, java.net, java.nio,	

java.nio.channels, java.nio.channels.spi, java.nio.charset, java.nio.charset.spi, java.security,

1	java.security.acl. java.security.cert, java.security.interfaces, java.security.spec, java.sql, java.text,		
2	java.util, java.util.jar, java.util.logging, java.util.prefs, java.util.regex, java.util.zip, javax.crypto,		
3	javax.crypto.interfaces, javax.crypto.spec, javax.net, javax.net.ssl, javax.security.auth,		
4	javax.security.auth.callback, javax.security.auth.login, javax.security.auth.x500,		
5	javax.security.cert, and javax.sql.		
6	TX 1072		
7	13. The java.net.ssl API package is used for creating secure transactions over the		
8	internet. The package java.sql is used for accessing a wide variety of relational databases.		
9	Reinhold at RT at 6:16:2-24		
10	14. Android incorporates APIs for the 37 Java packages asserted in this lawsuit.		
11	TX 51		
12	15. The Java APIs for the 37 packages at issue include thousands of individual		
13	elements, organized into packages, classes, interfaces, exceptions, constructors, methods, and		
14	fields. The designers of the Java APIs for these packages selected the elements and arranged		
15	them into a complex structure, sequence and organization.		
16	Reinhold at RT 589:2-18, 628:22-629:6, 585:16-586:6, 621:7-622:5, 634:1-25 TX 1028		
17	Mitchell at RT 1238:13-1239:12, 1248:11-1249-1, 2283:9-20 TX 624 at 23-26		
18	16. There is an intricate relationship of hierarchies and dependencies among Java API		
19	elements within and across packages. These are illustrated in part in the Java API package poster		
20	used by developers when programming for J2SE version 5.0.		
21	Mitchell at RT 2283:6-20		
22	Reinhold at RT 586:7-603:6 TX 1028		
23	17. The intricate structure of the API packages poster reflects only the high level class		
24	and interface relationships for some of the API packages in version 5.0, because it would be		
25	impossible to fit a description of all the relationships even on a large poster with extremely small		
26	print.		
27	Reinhold at RT 500:11.600:3		

1	24. In Java, the SSO is the same for the API specifications and the implementations
2	because both are derived from the same source code. The English language comments and
3	declarations are extracted from the source code using a tool called javadoc. The source code is
4	also compiled into executable byte code for the implementation by a compiler.
5	Reinhold at RT 607:2-608:3
6	Reinhold at RT 613:3-614:10 Mitchell at RT 1228:2-9
7	Mitchell at RT 1332:14-1333:8 Mitchell at RT 1257:3-13 Mitchell at RT 1236:19-1237:2
8	25. Similarly, in Android, the Android specifications have the same SSO as the
9	3 / 1
10	implementations because both are derived from the same source code.
11	Lee at RT 1169:8-15 Bornstein at RT 1841:11-15
12	26. The source code and documentation for the 37 accused Android API packages
13	have the same SSO described in the documentation and source code for the 37 Java API packages
14	at issue.
15	Astrachan at RT 2214:22-2215:5 (SSO of the method declarations are the same in
16	Java and Android) Astrachan at RT 2215:24-2216:2 (method signatures are in the same location
17	within the SSO in both Java and Android) Reinhold at RT 606:14-16 (the structure of the Java APIs is "exactly the same" as the structure of the Java class libraries)
18	Reinhold at RT 606:18-608:3 (structure of names is same as structure of source code because the Java Documentation Extractor pulls names from source code)
19	Mitchell at RT 2282:17-24 Mitchell at RT 2286:9-16
20	
21	27. The printed copy of the documentation for the 37 Java API packages in suit would
22	span 11,000 pages, filling three and a quarter banker's boxes.
23	Reinhold at RT 617:2-15
24	28. The individual elements included in the Android source code and described in the
25	Android documentation perform the same functions as their corresponding elements in the Java
26	source code that are described in the Java documentation.
27	Astrachan at RT 2219:7-18 ("I would write source code based on the specification.")
28	Mitchell at RT 1253:16-18 (the "narrative" of the documentation is reflected in the source code)

1		Reinhold at RT 623:17-624:1; 627:21-629:6	
2	38.	The collections framework, which is in the asserted Java API package java.util, is	
3	a set of APIs that developers said "changed their life."		
4		Bloch at RT 750:5-21 Bloch at RT 772:25-773:6	
5	39.	The collections APIs in other development environments such as C++ and	
6	Smalltalk are	structured very differently.	
7		Mitchell at RT 1240:23-1244:16	
8	40.	Third parties have created totally different APIs for Java that accomplish similar	
9	things to Orac	cle's Java APIs.	
10 11		Reinhold at RT 518:4-519:15; 630:11-631:18 Screven at RT 290:15-291:6	
12	41.	The Java API packages have grown dramatically, from the seven API packages	
13	that were included in the first release, to the 166 packages included with version 5.0, to 209		
14	packages included with version 7.0.		
15		Reinhold at RT 631:19-25	
16	42.	The complex structure of the Java APIs for the 37 packages at issue and their	
17	associated im	plementations is not required in order for the Java APIs or their implementations to	
18	operate with	the virtual machine or computer. A primary purpose of the SSO of the APIs is to	
19	make them ea	asier for programmers to learn and use.	
20		Reinhold at RT 597:9-17	
21		Reinhold at RT 595:20-596:18 Reinhold at RT 606:14-21	
22		Bloch at RT 741:2-742:3 TX 624 at 4	
23	43.	Writing Java APIs involves multiple design choices and requires attention to	
24	aesthetic cons	siderations, not just function.	
25		Reinhold at RT 627:21-628:1 ("so many choices to be made I wouldn't know how	
26		to start") Reinhold at RT 597:9-13 (java.nio "could have had many alternative structures.	
27		As we worked on this design, many different ideas were suggested and evaluated.")	
28		Reinhold at RT 628:22-629:6 Bloch at RT 746:9-16	

1	TX 1062 at 1-2 Reinhold at RT 676:14-678:13
2	Reinhold at RT 684:16-685:2 Astrachan at RT 2196:1-4
3	TX 984
4	51. Google did not need to copy Oracle's Java APIs for these 37 packages to make
5	use of the Java programming language. Google designed many of its own API packages for
6	Android and could have designed its own APIs for these packages as well.
7	Mitchell at RT 2288:6-12
8	Astrachan at RT 2212:25-2213:19 Astrachan at RT 2220:1-7
9	Reinhold at RT 518:4-519:15 Reinhold at RT 630:11-631:18
10	52. Android is not compatible with Java. Google "supersetted" and "subsetted" the
11	Java APIs—adding in its own APIs for other packages that are not included in Java and failing to
12	include APIs for other packages that are present in Java. As a result, many applications written
13	for Java will not run on Android, and many applications written for Android will not run on Java.
14	Mitchell at RT 1331:16-1332:2, 2287:23-2288:5 Morrill at RT 1007:6-11
15	TX 383 at 8
16	53. Oracle and Sun did not dedicate the APIs to the public domain. They consistently
17	included copyright notices on the Java API specifications. These copyright notices were included
18	in the books that published early versions of the specifications and are prominently featured on
19	the website that contains them. Copyright notices are also included in the source code for the
20	class libraries.
21	TX 610.1 at 1 (Specification license) TX 610.2 (Java API web documentation with copyright notice)
22	TX 980 at 6 (The Java Programming Interface Volume I)
23	TX 981 at 6 (The Java Programming Interface Voume II) TX 18 at 1, 3/24/2006 email from Andy Rubin to Greg Stein TX 623 at lines 151 152 (Java Sayras Code)
24	TX 623 at lines 151-152 (Java Source Code) Reinhold at RT 695:11-697:19
25	54. Sun, and now Oracle, only make the APIs available through licenses. One type of
26	license is a specification license that allows for independent implementations of the APIs, but
27	only if the specification meets certain requirements.
28	Ellison at RT 293:16-295:6

1			Kurian at RT 370:6-381:25 TX 610.1	
2			Cizek at RT 1071:4-17 TX 1026	
3		55.	The specification license was included in the books that published the API	
4	specifi	cations	on the same page as the copyright notice.	
5			TTV 000	
6			TX 980 at 6 TX 981 at 6	
7		56.	A link to the specification license is included next to the copyright notices on the	
8	web pa	ages tha	at describe the API specifications.	
9			Lee at RT 982:22-983:12 Reinhold at RT 671:9-25	
10			Reinhold at RT 671.9-23 Reinhold at RT 697:2-10 TX 610.2 (Java web documentation)	
11		57.	Google deliberately chose to base the 37 accused packages in Android on the	
12				
13	corresponding design, including the SSO, of the 37 Java API packages set forth in the Java API			
14	docum	entatio	n and source code.	
15 16			TX 30 Bornstein at RT 1827:19-1828:14; 1836:19-1837:7 Lee at RT 981:7-21; 984:25-985:18; 1174:2-16 Astrachan at RT 2214:22-2215:5; 2215:24-2216:2	
	777	DD OD		
17	III.	DEFE	POSED FINDINGS OF FACT REGARDING GOOGLE'S EQUITABLE ENSES	
18 19		A.	Google's Knowledge Of Sun Intellectual Property	
		58.	Sun posted a notice of copyright on its Java specifications both online and in	
20	books.			
21			TX 984	
22			TX 2564 TX 610.1	
23		59.	TX 610.2 Google evecutives and engineers responsible for Android know that Sun	
24			Google executives and engineers responsible for Android knew that Sun	
25		gnted, a	among other things, the method signatures, the specifications for the APIs, and the	
26	code.			
27			Swetland at RT 951:8-953:9 (Sun claimed copyright on method signatures) TX 149 (5/31/2006: "Whatever happened to their 'we own copyright on the method signatures," bullshit argument?")	
28			method signatures' bullshit argument?")	

1 2		Bloch at RT 756:9-18 (Bloch was aware, while at Sun, that Sun regularly and routinely attached copyright notices to both code and documentation) Lee at RT 983:4-15 (Lee copied despite seeing copyright notices on the Java API specifications when he consulted them)
3	60.	The head of Android, Andy Rubin, knew that Sun copyrighted the Java APIs: He
4	wrote that "jav	va.lang apis are copyrighted" and that "[S]un gets to say who they license the
5	[TCK] to."	
6 7		TX 18 at 1 (java.lang apis are copyrighted) Rubin at RT 1356:6-19
8	61.	Andy Rubin believed that APIs are not copyrightable, and admitted that his belief
9	was based on	"folklore."
10		Rubin at RT 1746:13-1747:8 (folklore)
11	62.	Andy Rubin and other Android team members knew Sun's license requirements
12	from their price	or work at Danger, Inc. Danger created an implementation of the Java specification,
13	using no Sun s	source code. Danger complied with Sun's requirement to take a Java license and
14	conform to the	e Java standard.
15		Swetland at RT 948:24-950:15 (Swetland had no contact with Sun source code, but Danger took a ligence and achieved compatibility)
16		but Danger took a license and achieved compatibility) Swetland at RT 952:22-953:9 ("I knew that at one time [Sun claimed that the method signatures were copyrighted] while I was at Danger")
17		Swetland at RT 953:19-954:7 (identifying Danger employees at Android) Rubin at RT 1587:10-1588:2 (Danger took license and had clean room
18		implementation) TX 1026 (Sun-Danger license)
19		Cizek at RT 1054:21-1059:14, 1062:16-1064:14, 1071:4-17 (Rubin had been told about Sun's requirements about all Java implementations and that Danger
20		eventually entered into a license) TX 610.1 (J2SE 5.0 Specification License)
21	63.	Andy Rubin in particular had been informed of Sun's licensing requirements
22	multiple times	s by Sun employees, through his negotiations both at Danger and at Google.
23		TX 565 at 2 (8/2/07: Gupta: "Andy cannot say he was not aware of the licensing
2425		requirements - as he had to go thru this at Danger - and we discussed this during Project Android Phase, and then during the Sun/Google collaboration attempt as well.")
26	64.	In 2005 and 2006, Sun and Google negotiated for a license that would have
27	permitted Goo	ogle to use Sun technology, including the APIs in suit.
28		TX 1 at 9 (7/26/2005: "Must take license from Sun")
L		

1		TX 3 at 3 (7/29/2005: Google needs "a TCK license") TX 7 at 1 (10/11/2005: "My proposal is that we take a license")
2		TX 12 at 1 (12/20/2005: "Either a) we'll partner with Sun as contemplated in our recent discussions or b) we'll take a license")
3		TX 17 at 1 (2/10/2006: "critical license")
4	65.	Google knew that it needed a license even if it did not partner with Sun and
5	developed a '	'clean room" implementation instead, i.e. without Sun code.
6		TX 1 (7/26/2005: "Developing a clean-room implementation of a JVM Must take license from Sun.")
7		TX 12 (12/20/2005: Rubin: "My reasoning is that either a) we'll partner with Sun as contemplated in our recent discussions or b) we'll take a license.")
8		TX 10 (8/6/2010: Long after 'clean room' completed, "We conclude that we need to negotiate a license for Java")
9		TX 610.1 (specification license; available on all specifications)
10	66.	The evidence shows that all other companies that developed an independent
11	implementati	on of the Java technology took a license.
12		Ellison at RT 293:8-294:21 Kurian at RT 385:20-386:8
13	67.	In 2005, Google and Sun specifically negotiated for a license to Sun's APIs.
14		
15		TX 2 at 1 (7/26/2005: "sergey: Application delivery part of APIs? (Yes, but actual delivery is a negotiation)") Page at PT 500:23, 501:2 ("And in that convergation that you perticipated in and is
16		Page at RT 500:23-501:2 ("And in that conversation that you participated in and is memorialized in this e-mail that you got a copy of in 2005, what Sergey was talking about was a negotiation with Sun about APIs. That's clear; isn't it, sir? A.
17		Yeah.")
18	68.	In 2005 and 2006, Sun expressed concern about the potential for fragmentation
19	and informed	Google of the requirement of platform and API compatibility in its licenses.
20		TX 9 (10/13/2005: "Alan presumably wants this both for tactical reasons (preserve TCK and implementation revenue, defend franchise against fragmentation which is his main threat for long-term erosion" "He just needs to be compensated for
21		collateral short-term revenue loss and get comfortable that this won't allow Google or anyone else to run away with the platform")
22		TX 125 at 1 (10/26/05 Lindholm: "If we don't show strong efforts toward avoiding
23		fragmentation we are also going to have much more trouble from Sun") TX 612 at 2 (11/21/2005: "Had a quick call with Andy Rubin there are three key pillars we care about: 1) Compatibility – we want to be sure we are
24		minimizing fragmentation)
25		TX 7 at 1 (10/11/2005: "My proposal is that we take a license We'll pay Sun for the license and the TCK. Before we release our product to the open source
26		community we'll make sure the JVM passes all TCK certification tests so that we don't create fragmentation.")
27		TX 213 (4/5/2006: Lindholm comments on draft license agreement, and states, "The fact that the definition of Commercial Stack includes the words 'subsetted
28		and/or supersetted' is significant in that these are special words for Sun, some of the key things that they have historically resisted going open to prevent ")

1	69.	Google knew that compatibility was a core proposition of Java and that Sun	
2	worked actively to prevent fragmentation.		
3		TX 7	
4		TX 9 TX 125	
5		TX 612 TX 1048	
6		Page at RT 471:6-18 Ellison at RT 296:2-4	
7	70	Kurian at RT 381:15-25	
8	70.	Google knew that "Java had very little fragmentation."	
9		TX 21	
10	71.	Google hired numerous former Sun engineers, including Tim Lindholm, who	
11	represented to Andy Rubin in 2005 that he should be a "project advisor" for Android because he		
12	was familiar v	with the "legal ecosystem."	
13		TX 321 (8/9/2005: Lindholm to Rubin: "I think my main value would be as J2ME runtime generalist and interpreter of the engineering/business/legal ecosystem.")	
14		TX 1 (7/26/2005: "Google/Android, with support from Tim Lindholm, negotiates the first OSS J2ME JVM license with Sun")	
15	72.	Additionally, Google executives and engineers responsible for Android knew	
16	about the requ	uirements of Sun's specification license, because Google was a member of the JCP,	
17	and participat	red directly in Sun's dispute with Apache.	
18		Lee at RT 1186:2-16 (Apache never got license, never accepted FOU restriction) Rubin at RT 1689:19-25 (knew Apache didn't have a license from Sun)	
19		Schmidt at RT 1541:3-7 (no right to use Sun IP as result of Apache license) TX 273 at 1 (Rubin to Bornstein: Apache forbidden from ME versions)	
20		TX 405 at 1 (Rubin to Bohnstein: Apache forbidden from WL Versions) TX 405 at 1 (Lee to Schmidt: Harmony "water under the bridge" for Android) TX 1051 at 1 (Rubin agreeing to sign letter to Sun regarding Harmony)	
21		TX 2347 (Letter to Schwartz regarding Harmony signed by Google representative) Deemed Admission at RT 978:16-979:1 (FOU prevents TCK from being run on	
22		mobile devices)	
23	73.	Google knew that Apache Harmony could not be used in mobile devices because	
24	Android's Co	re Library Lead, Mr. Lee, told Mr. Schmidt that Sun prevented	
25		"Apache Harmony from independently implementing Java SE (Harmony can't put	
26		those restrictions on their own users and still Apache license the code) not to mention Android (though that's water under the bridge at this point)."	
27		TX 405	
28		Lee at RT 986:5-987:19 (describing TX 405)	

1		Schmidt at RT 1559:5-11
2	82.	Google conducted no dependable investigation into whether it was infringing
3	Sun's and the	n Oracle's copyrights.
4		Swetland at RT 952:22-953:18 (did no investigation if method signatures still
5		copyrighted) Schmidt at RT 1463:9-13 (no investigation about using Harmony for mobile) Page at RT 466:3-6 (Page never asked anyone to investigate whether Google's
6 7		engineers had copied) Lee at RT 1209:21-1210:14 (Lee did not rely on the advice of legal counsel in determining the legal permissibility of reimplimenting APIs)
8	В.	Sun's Actions
9	83.	It was not Sun's practice to permit incompatible implementations of the Java
10	specification,	even if those implementations did not bear the Java brand.
11		TX 610.1 (J2SE 5.0 Specification License) McNealy at RT 2055:22–2056:4 ("Was there ever a time, when you were
12		chairman of Sun, when it was Sun's policy or practice to permit someone to incompatibly implement API specifications, so long as they did not call it Java?
13		A. Uhm, our API licenses were all about compatibility for Java. So in the Java space I – I don't recall that that was ever a – a strategy that we pursued nor
14		allowed in the marketplace.") Cizek at RT 1071:4-7 (Sun's practice was to require compatibility and commercial
15		use licenses) Gupta at RT 2306:6-2307:14 ("QUESTION: A licensee was required to pass the
16		TCK, even if they didn't want to use the Java brand; is that right? ANSWER: Yes.")
17	84.	Sun would contact companies that had released incompatible implementations in
18	commercial p	roducts and require them to take a license and make the implementation compatible.
19 20		Cizek at RT 1054:21-1059:14 Cizek at RT 1071:4-17
20		TX 1026 (Sun-Danger license)
22	85.	From 2005 up through the time of trial, Sun and now Oracle had ongoing
23	discussions w	ith Google regarding Java licensing for Android.
24		TX 565 TX 1002
25		Cizek at RT 1071:23-1073:18 TX 1029 (Buchholz email reporting conversation with Cizek, Lindholm responds)
26		McNealy at RT 2065:14-2066:14 (ongoing discussions with Google) TX 1074 (2010 Eustace email to Catz)
27		Catz at RT 2313:23-2314:7 (6/2010: Oracle told Android they needed a license) Rizvi at RT 1941:20-1942:12 (3 mtgs with Rubin re: license for Java in Android)
28	86.	In fact, the Sun-Google negotiations never broke off.

1		Page at RT 492:18-22 ("But I also say I'm not sure they've ever broken off. Continue to have discussions to this day.")	
2	87.	In 2007, before Google announced Android, Sun repeatedly tried to engage	
3	Google in discussions on Java licensing for Android.		
4 5		TX 538 (emails from Gupta to Rubin) TX 565 at 3	
6	88.	By 2007, Sun had released its technology under a particular open source license,	
7	the GNU Ger	neral Public License (GPL), a "give and force back" license that requires users to	
8		certain portions of their own code if they used the GPL-licensed code.	
9		Schwartz at RT 2021:16-23 (GPL is a "give and force back" license) Ellison at RT 292:2-293:4	
10	89.	The GPL is not a business-friendly license, and most companies accordingly will	
11		GPL license to use the open-sourced version of the Java APIs, called OpenJDK.	
12	not take the c		
13		Kurian at RT 387:13-388:3 Screven at RT 531:3-20	
14	90.	The GPL did not suit Google's business needs for Android and Android did not	
15	use GPL-lice	nsed open source code.	
16 17		TX 230 TX 154 Rubin at RT 1754:9-21	
18	91.	Before Google announced Android, Sun did not know what Google would do with	
19	Android, or v	whether Google would require a commercial Java license for Android, or whether it	
20	would use Gl	PL code.	
21		TX 565 at 3 (describing Google's options and Sun's strategy around each)	
22		Schwartz at RT 2023:2-9 ("prior to the release of Android, we were presuming they were going to be using GPL code")	
23	92.	On November 5, 2007, when Sun's CEO responded to the announcement of	
24	Android in a	blog post, Google had not yet released the Android Software Development Kit	
25	("SDK"), and	d Sun therefore did not know the facts regarding Google's infringement.	
26		Morrill at RT 1041:14-16 ("Q. But on November 5, 2007 Google had not released the Android SDK, had it? A. That's correct. The SDK was released a week	
27		later.")	
28			

1	93.	Google released the SDK on November 12, 2007. This was the first time that
2	Google identified the APIs to be used in Android publicly.	
3		Morrill at RT 1041:14-16 ("a week later" after November 5)
4		Schmidt at RT 1546:14-16 ("roughly correct" that you'd have to have the SDK to know the APIs were in Android)
5		Rubin at RT 1702:22-1704:9 (eight days after Android announced, SDK released; APIs were in the SDK)
6	94.	As of November 12, 2007, Sun's CEO understood that Google might still agree to
7	certify Android as compliant with the Java specification.	
8		TX 1055
9	95.	On November 15, 2007, three days after Google released the Android SDK, Rich
10	Green, Executive Vice President of Software at Sun, publicly expressed concern regarding	
11	Android and t	he incompatible set of APIs. He is quoted as stating:
12		"Anything that creates a more diverse or fractured platform is not in (developers')
13		best interests."
14		"The feedback from developers is, 'Help us fix this."
15 16		"We're really interested in working with Google to make sure developers don't end up with a fractured environment. We're reaching out to Google and assuming they'll be reaching out to us to ensure these platforms and APIs will be compatible so deployment on a wide variety of platforms will be possible."
17		TX 1048 ("Sun concerned Google's Android will fracture Java")
18		Rubin at RT 1725:23-1726:10 (acknowledging article; acknowledging that he saw it at the time of Android's release)
19	96.	When asked to comment on Mr. Green's comments, Rubin responded to Google
20	internally that	"[t]his is a very touchy subject."
21		TX 180
22		Rubin at RT 1725:23-1726:10
23	97.	On May 23, 2008, Google Android employees received, circulated, and
24	commented or	n an article that reported on Sun's continuing concern regarding Android:
25		"Sun Microsystems has expressed concern that Google's development of Dalvik could fragment the Java world so that Java software for running Android applications wouldn't work on other Java phones and vice-versa."
26		TX 245
27		1A LTJ
28		

1	98.	In September through November 2008, prior to Google's release of the Android
2	platform, Sun	engaged in another round of discussions with Google.
3		TX 1002 (November 24, 2008 email from Rubin in which he wrote that Sun had asked Google "to certify Android through the Java process and become licensees of Java")
5	99.	In April 2009, Sun communicated to Google that Google needed a license for
6	Android, and	that Google needed to make Android compatible.
7		Cizek at RT 1071:23-1073:18 (conversation with Martin Buchholz at Google) TX 1029
8	100.	Oracle has continued to express concern regarding Google's use of Oracle's
9	intellectual pr	roperty in Android.
11		Kurian at RT 391:15-395:1 Rizvi at RT 1942:20-1943:1
12		Ellison at RT 304:23-305:8 Catz at RT 2309:15-2310:11
13		TX 2237 (Form CO, submitted to the EU, that notes that "Harmony project (financed by IBM, Intel, Microsoft, Google, and others) and Google's Android OS
14	101	are examples of Java's fracturing.")
15	101.	Sun's words and actions in response to the Android announcement in November
16		ither intended to be, nor reasonably could be understood to be, an endorsement of an
17	Android that	used only some of the Java SE APIs and that failed to comply with Sun's licenses.
18		Schwartz at RT 1991:9-14 McNealy at RT 2059:2-2060:13 (Sun practice to require compatibility)
19	102.	From 2006 to the present, Sun's actions in continuing a strategy of negotiation,
20	rather than lit	igation, were reasonable and consistent with its historical interactions with Google.
21		See cites for 63, 64, and 85-87 above.
22	103.	Sun did not intend to relinquish any rights with regard to its copyrights or
23	Android.	
24		TX 563 (3/8/2007: "The Google thing is really a pain. They are immune to copyright laws, good citizenship, they don't share.")
25		TX 565 (9/19/2007: "It will end up in a discussion around compatibility and licensing around Java")
26		TX 2371 (11/6/2007: "As for how they avoid these licenses, I don't know") TX 1056 (3/26/2008: "take Java for Android, without attribution or contribution
27		scroogle") TX 2070 (10/23/2008: "IP/patents hammer")
28		TX 2362 (4/20/2009 "battles" with Android)

1		Schmidt at RT 1458:12-16
2	112.	In 2005, 2006, and 2007 Google was under tremendous time pressure to beat
3	others, such a	s Microsoft, Symbian and Apple, into the smartphone market.
4		TX 6
5		Schmidt at RT 1-11 Bornstein at RT 1844:15 -1847:1
6	113.	Google knew that the time to market was crucial and using Java dramatically
7	accelerated their schedule, with other alternatives being suboptimal.	
8		TX 15
9		TX 7 Page at RT 490:1-7 Schmidt at RT 1462:2-13
10	114.	In 2005 and 2006, Google stated in internal emails and presentations that Google
11		use from Sun for Android.
12	needed a need	
13		TX 1 (7/26/2005: "Must take license from Sun") TX 3 (7/29/2005: "Google needs a TCK license") TX 7 (7/15/2005: "Must represel in that we take a license ". License would require
14		TX 7 (7/15/2005: "My proposal is that we take a license."; License would require passing TCK to go commercial")
15	115.	However, Google did not want the obligations that the GPL and specifications
16	license imposed. The GPL terms required Google's licensees to contribute back any additions to	
17	Google's code	e. The specification license required Google to create a compatible version of Java.
18		Schmidt at RT 2021:16-23 TX 610.1
19		See also cites in 88-90 above.
20	116.	Google announced Android on November 5, 2007.
21		Schmidt at RT 1546:5-7
22	117.	Prior to Google's public announcement of Android in November 2007, Android
23	executives an	d engineers acknowledged internally that launching Android without a license, as an
24	incompatible	implementation, would place Google in an adversarial stance against Sun.
25		TX 7 at 2 (10/11/2005: "Do Java anyway and defend our decision, perhaps making
26		enemies along the way") TX 125 at 1 (10/26/05: Lindholm: "If we don't show strong efforts toward
27		avoiding fragmentation we are also going to have much more trouble from Sun") TX 12 (12/20/2005: Rubin: "My reasoning is that either a) we'll partner with Sun as contemplated in our recent discussions or b) we'll take a license. I think a
28		as contemplated in our recent discussions or b) we'll take a license. I think a clean-room implementation is unlikely because of the teams prior knowledge, and

1		it would be uncharacteristically aggressive of us to position ourselves against the industry.")
2		industry.") TX 22 at 12 (4/21/2006: "What if we don't do this deal?" "Adversarial Approach" or "Take a lesser license")
3		TX 207 (5/11/2007: "They won't be happy when we release our stuff") TX 565 at 3 (8/2/2007: Gupta: have sent emails to Andy re: need for Java
4		licensing)
5	118.	Android was not and is not compatible with Java.
6		Mitchell at RT 1331:16-20 (Google's Android is not really compatible with Java because they supersetted and subsetted APIs)
7		TX 383 at 8 (11/6/2007: "Is Android Java compatible? No.") Morrill at RT 1010:4-7 ("Now, [A]ndroid does not support Java applications,
8		correct? A. That is correct. Q. And so Android is not Java compatible, correct? A. That's correct.")
9	119.	Google decided to use the APIs in mid-2006 to early 2007—before Jonathan
10	Schwartz's blog post on November 5, 2007.	
11		Bornstein at RT 1850:4-1851:2
12	120.	Android head Andy Rubin only "vaguely" remembers any comments by Sun after
13	the announcement of Android.	
14		Rubin at RT 1446:23-1447:8
15	121.	No credible testimony shows that before November 5, 2007, Google relied on any
16	statement by Sun in making any decision regarding the technology to include in Android.	
17	122.	After November 2007, Google knew Sun had expressed concern regarding
18 19	Android, and	in particular Google's use of a subset of the Java APIs for Android.
20		Rubin at RT 1725:21-1726:10 (discussing press article on November 15, 2007, after the SDK was announced: "Sun concerned Android will fracture Java")
21	122	TX 180 (11/15/2007: re: article, Sun's concerns are a "touchy subject") Shortly before releasing the Andreid SDV and effectively Conclusive at the article.
22	123.	Shortly before releasing the Android SDK and afterwards, Google attempted to
23	mae its iiiiiiii	gement by removing the word "Java," which it called the "j word," from Android.
24		TX 26 at 1 (11/17/2007 "Scrub out a few more j's) TX 104 (5/12/08 Remove j word from everywhere) TX 233 at 1 (8/5/2009 "How aggressive do we scrub the j word?")
25	124.	In November 2007, Google took steps to limit public discussions regarding
26	Android to ce	rtain authorized individuals and avoid references to Java.
27		TX 382
28		TX 165

126. Android to an 127.	In January 2008, Google made public presentations that included a graphic that Android core libraries as "Core Java libraries." Google later changed this graphic word "java." TX 34 TX 43.1 In March 2008, Google took steps to prevent its employees from demonstrating by Sun employees or lawyers. TX 29 at 1 (3/24/08: don't demonstrate to any sun employees or lawyers) On May 23, 2008, Google Android employees received, circulated, and	
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126. Android to an 127.	word "java." TX 34 TX 43.1 In March 2008, Google took steps to prevent its employees from demonstrating my Sun employees or lawyers. TX 29 at 1 (3/24/08: don't demonstrate to any sun employees or lawyers)	
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Android to an 127.	ny Sun employees or lawyers. TX 29 at 1 (3/24/08: don't demonstrate to any sun employees or lawyers)	
127.	TX 29 at 1 (3/24/08: don't demonstrate to any sun employees or lawyers)	
	On May 23, 2008, Google Android employees received, circulated, and	
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commented o	commented on an article that reported on Sun's continuing concern regarding Android. That	
article stated:		
	"Sun Microsystems has expressed concern that Google's development of Dalvik could fragment the Java world so that Java software for running Android applications wouldn't work on other Java phones and vice-versa."	
	TX 245 Morrill at RT 1043:1-10 (saw that others had reported that Sun had concerns; had no conversations with Sun at all)	
128.	In May 2008, Google employee Bob Lee informed Google CEO Eric Schmidt	
about the disp	oute regarding Sun licensing for Apache's Harmony project, but wrote that was	
"water under the bridge" for Android.		
	TX 405	
129.	In September through November 2008, Google engaged in additional negotiation	
with Sun regarding Android, and that discussion included the possibility of buying Java from		
Sun.		
	TX 203	
	TX 183 TX 1002	
130.	In January and February 2009, Google considered the possibility of buying Java	
from Sun, including Sun's Java copyrights, in part because it would prevent lawsuits.		
	Schmidt at RT 1559:20-23; 1560:10-12	
	128. about the disp "water under 129. with Sun regar Sun.	

- 140. No documents and no testimony in the record suggest that anyone at Google relied on Sun's actions toward Apache in creating or distributing Android.
- 141. Google did not change its position with respect to Android as a result of any act or statement by Sun or Oracle; rather, Google at all times continued with the same strategy.

IV. PROPOSED CONCLUSIONS OF LAW

A. Ownership

- 142. The Certificate of registration constitutes "prima facie evidence of the validity of the copyrights and of the facts stated in the certificate." 17 U.S.C. § 410(c).
- 143. Google "has the burden of rebutting the facts set forth in the copyright certificate." *United Fabrics Int'l, Inc. v. C&J Wear, Inc.*, 630 F.3d 1255, 1257 (9th Cir. 2011). Google failed to meet that burden.
- 144. Under 37 C.F.R. 202.3(b)(4)(i)(A), "when a single published unit contains multiple elements 'that are otherwise recognizable as self-contained works,' the unit is considered a single work *for the limited purpose of registration*, while its elements may be recognized as separate works for other purposes." (ECF No. 433 at 6 (emphasis in original).) *See Tattoo Art*, *Inc. v. TAT Int'l, LLC*, 794 F. Supp. 2d 634, 651 (E.D. Va. 2011) (interpreting 202.3(b)(4)(i)(A).).
- 145. Oracle owns the copyrights to the documentation, source code and compiled code of the 37 API packages and the 11 source code files at issue, including to the structure, sequence and organization of the 37 API packages. (FOF 1-8.)

B. Copyrightability

- 146. Copyright protection subsists in literary works. 17 U.S.C. § 102(a)(1). The English language Java API documentation is an original, literary work and is thus copyrightable under section 102(a).
- 147. "Original, as the term is used in copyright, means only that the work was independently created by the author (as opposed to copied from other works), and that it possesses at least some minimal degree of creativity." *Feist Publ'ns, Inc. v. Rural Tel. Serv. Co.*, 499 U.S. 340, 345(1991). The selection, structure, sequence and organization of the 37 API packages in suit constitute original, creative expression. (FOF 29-40, 42-44, 47-48.)

- 148. Google has admitted that the Java APIs as a whole meet the low threshold for originality required by the Constitution." (*See* ECF No. 938 at 1.)
- 149. "[C]opyright protection extends not only to the 'literal' elements of computer software the source and object code but also to a program's nonliteral elements, including its structure, sequence, organization, user interface, screen displays and menu structures." *Merch. Transaction Sys., Inc. v. Nelcela, Inc.*, 2009 U.S. Dist. LEXIS 25663, at *29 (D. Ariz. Mar. 17, 2009) (citation omitted). The structure, sequence, and organization of the 37 API packages in suit is copyrightable subject matter.
- 150. "Whether the nonliteral components of a program, including the structure, sequence and organization and user interface, are protected depends on whether, on the particular facts of each case, the component in question qualifies as the expression of an idea, or an idea itself." *Johnson Controls, Inc. v. Phoenix Control Sys., Inc.*, 886 F.2d 1173, 1175 (9th Cir. 1989).
- 151. The structure, sequence, and organization of the 37 API packages in suit is the detailed expression of an idea, not an idea itself. (FOF 29-40, 42-44, 46-48.) The idea for an API package may be to have a library of pre-written computer code relevant to the area of programming to which the package relates. For example, the idea for java.net.ssl is to have a library of pre-written code relating to secure network transactions. (FOF 13.) The selection, structure, sequence and organization of the methods, fields, classes and other elements in the java.net.ssl package, and the relationships among those elements is the expression of that idea.
- 152. The detailed, creative expression of the API packages is not a method of operation or system or otherwise barred by section 102(b). *Johnson Controls*, 886 F.2d at 1175. *See also Mitel, Inc. v. Iqtel, Inc.*, 124 F.3d 1366, 1370 ("We conclude that although an element of a work may be characterized as a method of operation, that element may nevertheless contain expression that is eligible for copyright protection."); *Toro Co. v. R&R Prods. Co.*, 787 F.2d 1208, 1211-12 (8th Cir. 1986) (section 102(b) did not bar copyright protection for parts number system: question is whether particular expression is copyrightable); 1-2 *Nimmer on Copyright* § 2.03[D].
- 153. "Under the merger doctrine, courts will not protect a copyrighted work from infringement if the idea underlying the copyrighted work can be expressed in only one way, lest

there be a monopoly on the underlying idea." *Satava v. Lowry*, 323 F.3d 805, 812 n.5 (9th Cir. 2003). The structure, sequence, and organization of the 37 Java API packages in suit have not merged with the underlying ideas because there are multiple ways to express an API with the same or similar functionality. (FOF 33, 38-40, 43, 45-49.)

- 154. "Under the scenes a faire doctrine, when certain commonplace expressions are indispensable and naturally associated with the treatment of a given idea, those expressions are treated like ideas and therefore not protected by copyright." *Swirsky v. Carey*, 376 F.3d 841, 850 (9th Cir. 2004). The SSO of the 37 Java API packages in suit are not scenes a faire because these elements are not commonplace, nor are they indispensable or standard to expressing any idea. (FOF 33, 39-40, 42-43, 45-48.)
- 155. The SSO of the 37 API packages is not dictated by function since very little structure is required for the code to operate with the virtual machine and computer. (FOF 43, 45-48.)
- 156. Google was not required to copy the 37 API packages for compatibility with the Java programming language. (FOF 40, 42, 50-51.) Google could have designed its own APIs, and did in other areas for Android. (FOF 40, 50, 51.)
- 157. "Words and short phrases such as names, titles, and slogans" are "not subject to copyright." 37 C.F.R. § 202.1(a). "[A] combination of unprotectable elements is eligible for copyright protection only if those elements are numerous enough and their selection and arrangement original enough that their combination constitutes an original work of authorship." *Satava v. Lowry*, 323 F.3d 805, 811 (9th Cir. 2003). In this case, the original combination of the thousands names of the elements in the 37 Java API packages in suit is copyrightable. (FOF 15, 16, 18-23, 29-39, 42-49.)
- 158. The structure described in written documentation is copyrightable when it reflects creative expression. *See*, *e.g.*, *Situation Mgmt. Sys.*, *Inc. v. ASP Consulting Group*, 560 F.3d 53, 61 (1st Cir. 2009) (overall arrangement and structure of training manuals found to be subject to copyright protection even though they described uncopyrightable system); *Jacobsen v. Katzer*, 2009 U.S. Dist. LEXIS 115204, at *9-10 (N.D. Cal. Dec. 10, 2009) (selection and arrangement of

data reflecting information obtained from model railroad manufacturers entitled to copyright protection).

- 159. The structure, sequence, and organization of the documentation for the 37 Java API packages is the same as the structure, sequence, and organization of the class libraries to which they relate since both are generated from the same source code. (FOF 23-24.) These aspects of the documentation are copyrightable for the same reasons that the structure, sequence, and organization of the code are copyrightable.
- 160. Google copied the structure, sequence and organization for the 37 Java API packages into the Android documentation. (FOF 14, 25-26, 28, 57.)

C. Derivative Works

- 161. A copyright owner has the exclusive right "to prepare derivative works based upon the copyrighted work." 17 U.S.C. § 106(2). "A 'derivative work' is a work based upon one or more preexisting works, such as a translation." 17 U.S.C. § 101.
- 162. Because Google based the code for the Android core libraries on the Java API specifications' SSO, as well as the English prose descriptions contained therein, Google infringed Oracle's copyright by creating a derivative work. (FOF 23-26, 57.)
- 163. In Sheldon v. Metro-Goldwyn Pictures Corp., Judge Learned Hand found copyright infringement when the defendant created a movie that copied much of the detailed plot outline of the plaintiff's play, although it included none of the dialogue and changed many of the specifics: "The play is the sequence of the confluents of all these means, bound together in an inseparable unity; it may often be most effectively pirated by leaving out the speech, for which a substitute can be found, which keeps the whole dramatic meaning. That as it appears to us is exactly what the defendants have done here, the dramatic significance of the scenes we have recited is the same, almost to the letter." 81 F.2d 49, 50-56 (2nd Cir. 1936) (emphasis added). See also eScholar LLC v. Otis Educational Sys., Inc., 2005 U.S. Dist. LEXIS 40727, at *25 (S.D.N.Y. Nov. 3, 2005) (citing Sheldon and stating "[c]opyright protection of the non-literal elements of a computer program is analogous to protection that has been extended in other areas

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in this circuit"); *Twin Peaks Prods. V. Pul'n Int'l Ltd.*, 996 F.2d 1366, 1373-74 (2nd Cir. 1993) (detailed recounting of plot outline of TV series held to be infringement).

164. While the ideas behind particular individual elements described in the documentation for the 37 API packages that Google copied may not be copyrightable, Google chose to copy the protectable selection, structure, sequence and organization for the thousands of elements expressed in that documentation, almost in its entirety, and to effectively give all of these elements the same "dramatic meaning" within that copied structure. *Sheldon*, 81 F.2d at 56.

165. In SAS Institute, Inc. v. S&H Computer Sys. Inc., 605 F. Supp. 816, 830 (M.D. TN. 1985), the court held defendant created an infringing derivative work that was "based on" the SAS statistical analysis software by copying its structure. The court rejected the defendant's attempt to downplay the 44 examples of copying specific lines of code: "In addition, the copying proven at trial does not affect only the specific lines of code cited by Dr. Peterson in his testimony. Rather, to the extent that it represents copying of the organizational and structural details of SAS, such copying pervades the entire S&H product." Id. (emphasis added). Similarly, in Meredith v. Harper & Row, Publishers, Inc., the court found copyright infringement based on the defendants copying of 11% of a book along with its structure: "Thus I conclude while the Meredith text contains *some* independent ideas of the author, *some* independent research, some additional topics and some differing structure, the topic selection and arrangement of the Meredith book are in substantial part the result of copying of the Mussen book not attributable to independent effort by Meredith or the necessary result of limited possibilities for organizing and presenting the material to be covered." 413 F. Supp. 385, 387 (S.D.N.Y. 1975) (emphasis in original). Google's deliberate copying of the structure, sequence and organization of the 37 Java APIs pervades all of the 37 accused Android API packages, notwithstanding Google's claim that it wrote the implementing source code itself.

D. Waiver

166. To show waiver, Google must prove Sun/Oracle had an intent to relinquish its known rights to its copyrights in the 37 API packages and code and that Sun/Oracle manifested that intent in an unequivocal manner. *United States v. King Features Entm't, Inc.*, 843 F.2d 394,

399 (9th Cir. 1988); Adidas Am., Inc. v. Payless Shoesource, Inc., 546 F. Supp. 2d 1029, 1074
(D. Or. 2008) ("waiver must be manifested in an unequivocal manner" (internal citations
omitted)); see Novell, Inc. v. Weird Stuff, Inc., 1993 U.S. Dist. LEXIS 6674, at *54 (N.D. Cal
May 14, 1993).

- 167. "An implied waiver of rights will be found where there is 'clear, decisive and unequivocal' conduct which indicates a purpose to waive the legal rights involved." *Adidas*, 546 F. Supp. 2d at 1074 (*quoting Groves v. Prickett, 420 F.2d 1119, 1126* (9th Cir. 1970)).
- 168. In light of all the credible evidence, Sun/Oracle did not unequivocally intend to relinquish its intellectual property rights. (FOF 83-85, 95-101, 103-107.)
- 169. The fact that Sun and Oracle expressed continued concern and engaged in repeated negotiations with Google to persuade it to take a license negates any inference from blog posts or otherwise that Oracle had an unequivocal intent to relinquish its rights to the 37 Java API packages. *King*, 843 F.2d at 399; Adidas, 546 F. Supp. 2d at 1074. (FOF 85-87, 98-99, 102.)
- 170. Whether Sun/Oracle failed to prevent third parties, such as Apache or GNU Classpath, from infringing is not sufficient to prove Sun/Oracle's express and affirmative intent to relinquish its copyrights against Google. *Adidas*, 546 F. Supp. 2d at 1074-75 (citing *Novell*, 0094 WL 16458729, at *13 ([E]ven if [plaintiff] failed to take preventative measures to stop [defendant's infringement-related activities, failure to act, without more is insufficient evidence of the trademark owner's intent to waive its right to claim infringement.")).
- 171. Because Google has not proved that Sun/Oracle manifested an unequivocal intent to relinquish its rights, Google's defense of waiver fails.

E. Estoppel

- 172. "Estoppel arises only when a party's conduct misleads another to believe that a right will not be enforced and causes him to act to his detriment in reliance upon this belief." *Novell*, 1993 U.S. Dist. LEXIS 6674, at *41; *Adidas*, 564 F. Supp. 2d at 1075.
- 173. Four elements must be present to establish the defense of estoppel: (1) The party to be estopped must know the facts; (2) he must intend that his conduct shall be acted on or must so act that the party asserting the estoppel has a right to believe it is so intended; (3) the latter must

be ignorant of the true facts; and (4) he must rely on the former's conduct to his injury.

Hampton v. Paramount Pictures Corp., 279 F.2d 100, 104 (9th Cir. 1960); Novell, 1993 U.S.

Dist. LEXIS 6674, at *42, 54-55 (N.D. Cal. May 14, 1993).

- 174. Google had the burden of establishing each of the four elements of estoppel. . *Adidas*, 546 F. Supp. 2d at 1075 ("Because Payless cannot prove each element of equitable estoppel, the defense must fail.").
- 175. Google's defense relied heavily upon a November 5, 2007 blog post by Jonathan Schwartz and a statement made by Larry Ellison in April 2009, but Google failed to prove that Sun or Oracle knew of Google's infringement when it made those two public statements, or any other statements or conduct by Sun or Oracle. (FOF 91-94.) As such, Google failed to establish the facts necessary for the first element of this defense.
- 176. Google also failed to prove that Sun or Oracle intended its conduct to give Google a reason to believe that Sun or Oracle would not seek to enforce any intellectual property rights against Google in connection with Android. (FOF 94-95, 98-101.) Sun continued to pursue discussions with Google regarding Android, and Sun and then Oracle told Google that it needed a license for Android. These facts undermine Google's defense. (FOF 85-86.)
- 177. Google also failed to prove that it was ignorant of any facts, including Sun's assertions of its copyrights in connection with the Java API or Google's use of Sun's intellectual property for Android. (FOF 53-56, 58-60, 62-65, 67-74, 81-82.) This element cannot be established given Google's knowing use of Sun's copyrighted APIs without any license and Google's recognition, in its internal documents, that Google faced potential legal action by Sun in connection with Android.
- 178. Google also failed to prove reliance on any conduct by Sun or Oracle in connection with Android. Google's documents demonstrated that Google was acutely aware of Sun's concerns in connection with Android, and Sun sought to have Google take a license and make Android compatible. (FOF 60, 62-63, 65-72, 85-86, 95-96, 98, 114, 117, 121-122, 132.) In response, Google took steps to conceal its conduct from Sun and to avoid further discussions with Sun. Such evidence bars application of this defense. (FOF 123-126.)

179. Google was never "lulled into a sense of security" by Sun or Oracle. *A.C.*Aukerman Co. v. R.L. Chaides Constr. Co., 960 F.2d 1020, 1043 (9th Cir. 1992) ("to show reliance, the infringer must have had a relationship or communication with the plaintiff which lulls the infringer into a sense of security in going ahead"). To the contrary, Google was acutely aware of Sun's concerns over Android, and at one point considered approaching Sun with a proposal to buy Java for hundreds of millions of dollars, including the Java copyrights and patents, and in doing so make Google's "Java lawsuits go away." (FOF 129-130.)

on any conduct of Sun or Oracle to its detriment. (FOF 136-141.) It had chosen to use Sun's copyrighted Java APIs long before it announced Android, and before the statements by Mr. Schwartz and Mr. Ellison. (FOF 119.) *See Hampton*, 279 F.2d at 105 (finding no estoppel where "any change of position by [infringer] was in reliance upon the representations of the third parties and despite the notice conveyed to him by [copyright holder's] assertion of right printed on each film."); *Novell*, 1993 U.S. Dist. LEXIS 6674, at *54-55; *Adidas*, 546 F. Supp. 2d at 1075 ("[T]here is no evidence that Payless actually relied on Adidas' alleged inaction. Because Payless cannot prove each element of equitable estoppel, the defense must fail."). (FOF 109-115, 119, 123.)

181. Because Google has not proven each element of estoppel, the defense fails.

F. Implied License

182. For the equitable defense of implied license, Google must prove that Oracle/Sun affirmatively granted permission to Google to use the 37 API packages at issue and that the entire course of conduct between the parties over the relevant time period led Google to reasonably infer Oracle/Sun's consent. *Effects Assocs. v. Cohen*, 908 F.2d 555, 558-559 (9th Cir. 1990) Implied licenses exist "only in 'narrow' circumstances where one party 'created a work at [the other's] request and handed it over, intending that [the other] copy and distribute it." *A&M Records*, *Inc. v. Napster, Inc.*, 239 F.3d 1004, 1026 (9th Cir. 2001) (citing *Effects Assocs.*, 908 F.2d at 558) (alterations in original); *Oddo v. Ries*, 743 F.2d 630, 634 (9th Cir. 1984) (in a partnership to create and publish a book, plaintiff handed copyrighted manuscript to defendant for publication,

thus court found plaintiff "impliedly gave the partnership a license to use the articles insofar as they were incorporated in the manuscript"); *Metro-Goldwyn-Mayer Studios, Inc. v. Grokster, Ltd.*, 518 F. Supp. 2d 1197, 1226 (C.D. Cal. 2007) (rejecting implied license defense where "[o]bviously, Plaintiffs did not create their copyrighted works at StreamCast's request or for StreamCast's benefit").

- 183. Sun/Oracle did not affirmatively grant permission to Google to use the 37 API packages or code at issue here without a license; in fact the record shows the contrary. (FOF 66, 83-84, 98-99, 107, 133.)
- 184. It was not reasonable for Google to infer consent to use the 37 Java APIs without a license because the entire course of conduct between the parties demonstrated Sun/Oracle's assertion of its IP rights. (FOF 83-108.)

G. Laches

- 185. For the equitable defense of laches, Google must prove that (1) Oracle/Sun unreasonably delayed filing the lawsuit; (2) the delay was inexcusable, and (3) that Google has suffered material prejudice due to Oracle/Sun's delay. *Danjaq LLC v. Sony Corp.*, 263 F.3d 942 (9th Cir. 2001) (three-part analysis of "delay," "reasonableness of the delay," and "prejudice").
- 186. First, "the relevant delay is the period from when the plaintiff knew (or should have known) of the allegedly infringing conduct, until the initiation of the lawsuit in which the defendant seeks to counterpose the laches defense." *Danjaq*, 263 F.3d at 952.
- 187. Oracle filed suit in August 2010, within three years of the first time that the APIs and the code in Android were made available to the public (in November 2007). (FOF 93.)
- 188. Courts recognize negotiations with the accused as an excuse for delay. *In re Katz Interactive Call Processing Patent Litig.*, 712 F. Supp. 2d 1080, 1110 (C.D. Cal. 2010) ("the negotiation must 'ordinarily be continuous and bilaterally progressing, with a fair chance of success, so as to justify significant delays"); *Lucent Techs., Inc. v. Gateway, Inc.*, 580 F. Supp. 2d 1016, 1053 (S.D. Cal. 2008); *A.C. Aukerman Co.*, 960 F.2d at 1033.
- 189. Courts have found delay reasonable or excusable where evidence shows that for several years leading up to the start of litigation, plaintiff engaged in efforts to sell a license to

defendant or engaged in bilateral negotiations with a fair chance of success. *Lucent*, 580 F. Supp. 2d at 105; *In re Katz*, 712 F. Supp. 2d at, 1110-11.

- 190. Since Sun/Oracle's continued discussions and negotiations with Google regarding licensing options were bilateral and had a fair chance of success, including through the time of Google's CEO Larry Page's testimony at trial, Sun/Oracle's delay in bringing suit is excusable. *In re Katz*, 712 F. Supp. 2d at 1110-11 (rejecting argument that correspondence between parties were "sporadic" and futile and holding that their 6 year correspondence, up until defendant conclusively communicated that it does not need a license, constituted rebuttal of presumption of laches and raised genuine issue of excuse); Lucent Techs., 580 F. Supp. 2d at 1053 ("Court concludes that any delay was reasonable or excusable since Lucent attempted to seek compensation for its patent through the computer manufacturers"). (FOF 85, 86, 98-100, 102, 133.)
- 191. Third, Google has failed to demonstrate prejudice by showing that it took actions or suffered consequences that it would not have, had Sun/Oracle brought suit promptly. *Danjaq*, 263 F.3d at 955. (FOF 141.)
- 192. Indeed, "[t]he very purpose of laches as an equitable doctrine and the reason that it differs from a statute of limitations is that the claim is barred because the plaintiff's delay occasioned the defendant's prejudice. *Danjaq*, 263 F.3d at 955 (quoting *Telink Inc. v. U.S.*, 24 F.3d 42, 45 (9th Cir. 1994)); *A.C. Aukerman Co.*, 960 F.2d 1020, 1033 (9th Cir. 1992) ("Material prejudice to adverse parties resulting from the plaintiff's delay is essential to the laches defense.").
- 193. Google's policy was to push forward and develop Android with the infringing Java APIs, "making enemies along the way," and thus did not change its position in reliance on Oracle's inaction. (FOF 58-65, 71-74, 82, 109-119.)
- 194. Moreover, "laches is not available in a case of willful infringement, when the infringing conduct occurs 'with knowledge that the defendant's conduct constitutes copyright infringement." *Winn v. Opryland Music Group, Inc.*, 22 Fed. Appx. 728, 729 (9th Cir. 2001) (internal citations omitted).

1	195. As the evidence indicates that Google's infringement was willful, Google is
2	ineligible to assert the defense of laches. (FOF 57-65, 69-74, 79, 109-119, 122-132.)
3	Dated: May 1, 2012 BOIES, SCHILLER & FLEXNER LLP
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