

United States District Court  
Northern District of California

DIGITAL REG OF TEXAS, LLC,

Plaintiff,

v.

ADOBE SYSTEMS INCORPORATED,  
VALVE CORPORATION, ELECTRONIC  
ARTS INC., UBISOFT, INC., SYMANTEC  
CORPORATION, AVG TECHNOLOGIES  
USA, INC., ZYNGA GAME NETWORK  
INC., ZYNGA, INC., and INTUIT INC.,

Defendant.

Case No.: CV 12-01971-CW (KAW)

ORDER RE: PLAINTIFF AND  
DEFENDANT ZYNGA INC.'S 11/2/2012  
JOINT DISCOVERY LETTER

Plaintiff Digital Reg of Texas, LLC (“Digital Reg”) filed this action against several Defendants, including Zynga, Inc. (“Zynga”), for patent infringement in violation of the U.S. Patent Act, 35 U.S.C. § 271. The parties filed a joint discovery letter on November 2, 2012 (“Joint Letter”), in which they outlined several discovery disputes, including the sufficiency of Digital Reg’s infringement contentions (ICs) pursuant to Patent Local Rule 3-1, Digital Reg’s addition of new apps to the ICs without obtaining leave of court pursuant to Patent Local Rule 3-6, the sufficiency of Zynga’s discovery responses, and issues regarding Zynga’s source code production.

In light of the Joint Letter and documents submitted by the parties, and the hearing held on January 17, 2013, the Court finds that Digital Reg’s infringement contentions are insufficient, and orders amendment consistent with the findings below. The Court also strikes all apps not included in the original infringement contentions filed in the Eastern District of Texas, such that Mafia Wars and Drop7 are the only remaining apps at issue at this time.

///

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

**I. BACKGROUND**

Digital Reg alleges that Defendants directly and indirectly infringe on its U.S. Patent No. 6,751,670 (“670 Patent”), which protects a method of tracking electronic content that collects notification information and executable instructions that “deny access to electronic content until the notification information is transmitted successfully.” (*See* ‘670 Patent Abstract.)

On October 28, 2011, Digital Reg served its original ICs while this case was venued in the Eastern District of Texas. (Angel Mitchell Decl., Dkt. No. 153-1, ¶ 3.) The original ICs only charted Mafia Wars. (Mitchell Decl., Dkt. No. 153, Exh. C.)

Zynga’s motion to compel supplemental ICs was pending when the case was transferred to the Northern District of California. At the July 25, 2012 Case Management Conference, the presiding judge ordered Digital Reg to supplement its ICs to comply with this district’s Patent L.R. 3-1(d),(h), which concern allegations of indirect infringement. At the CMC, Zynga put on the record that the original ICs remained deficient under the Eastern District of Texas’ Patent Rule 3-1—which virtually mirrors our district’s Patent L.R. 3-1—and Judge Wilken terminated the pending motion and asked Digital Reg to “take into account [counsel’s] objections when you do your infringement contentions and see if you can’t obviate that motion [to compel] being refiled.” (7/25/2012 Transcript, at 12:6-21.)

Digital Reg served its supplemental ICs on all Defendants on August 30, 2012. On October 11, 2012, Zynga renewed its motion to compel, claiming that the supplemental ICs are still deficient as to Zynga and should be amended, and also seeking to strike the ten Zynga apps not included in the original ICs. (*See* Dkt. No. 246.)

On October 16, 2012, this action was referred to the undersigned for all discovery purposes. This Court terminated the pending motion and ordered the parties to meet and confer and to file a joint letter consistent with the Standing Order should those efforts prove futile. (*See* Dkt. No. 248.)

On November 2, 2012 the parties filed the joint discovery letter currently at issue. (Dkt. No. 252.) The letter addressed three areas of dispute: (1) the sufficiency of Digital Reg’s infringement contentions and the validity of adding new apps without obtaining

1 leave of court; (2) the sufficiency of Zynga’s discovery responses; and (3) issues  
2 regarding Zynga’s source code production.

3 **II. LEGAL STANDARD**

4 Patent Local Rule 3-1 requires a party claiming patent infringement to serve on all parties  
5 a disclosure of asserted claims and infringement contentions. Pursuant to Local Rule, the ICs  
6 must contain (a) each claim of each patent that is allegedly infringed by each party, (b) all  
7 accused instrumentalities for each asserted claim, (c) a chart identifying specifically where each  
8 limitation of each asserted claim is located within each accused instrumentality, (d) a description  
9 of the acts of the alleged indirect infringer that induced the direct infringement by a third party,  
10 (e) whether each limitation of each asserted claim is alleged to be literally present or present  
11 under the doctrine of equivalents in the accused instrumentality, (f) the priority date to which each  
12 asserted claim allegedly is entitled if applicable, (g) an identification of each apparatus that  
13 practices the claimed invention if applicable, and (h) the basis for the party's allegation of willful  
14 infringement if applicable. *See* Patent L.R. 3-1.

15 The purpose of Patent L.R. 3-1 is “to require parties to crystallize their theories of the case  
16 early in the litigation and to adhere to those theories once they have been disclosed.” *InterTrust*  
17 *Technologies Corp. v. Microsoft Corp.*, No. 01-1640 SBA, 2003 WL 23120174, at \*1 (N.D. Cal.,  
18 Dec. 1, 2003) (citations omitted). When serving infringement contentions under Rule 3-1, a  
19 “plaintiff must put forth information so specific that either reverse engineering or its equivalent is  
20 required.” *Id.*

21 Patent L.R. 3-1 is a discovery device that “takes the place of a series of interrogatories that  
22 defendants would likely have propounded had the patent local rules not provided for streamlined  
23 discovery.” *Network Caching Technology LLC v. Novell, Inc.*, No. 01-2079, 2002 WL 32126128,  
24 \*3-4 (N.D. Cal. Aug.13, 2002) (*Network Caching I*).

25 Patent L.R. 3-6 allows for the amendment of infringement contentions “only by order of  
26 the Court upon a timely showing of good cause.” A finding of good cause includes “recent  
27 discovery of nonpublic information about the Accused Instrumentality which was not discovered,  
28 despite diligent efforts, before the service of the Infringement Contentions.” Patent L.R. 3-6(c).

1 The “good cause” inquiry “considers first whether the moving party was diligent in  
2 amending its contentions and then whether the non-moving party would suffer prejudice if the  
3 motion to amend were granted.” *Acer, Inc. v. Tech. Properties Ltd.*, 5:08-CV-00877 JF/HRL,  
4 2010 WL 3618687, at \*3 (N.D. Cal. Sept. 10, 2010) (citing *O2 Micro Int'l Ltd. v. Monolithic*  
5 *Power Sys., Inc.*, 467 F.3d 1355, 1366–68 (Fed. Cir. 2006) (concluding that if a party seeking to  
6 amend did not demonstrate diligence, there was “no need to consider the question of prejudice”)).

### 7 III. DISCUSSION

#### 8 A. Digital Reg’s Infringement Contentions

9 The ‘670 Patent states that “the invention relates to electronic content, for example,  
10 content included with or attached to an e-mail message.” ‘670 Patent col. 1 l. 5. The patent  
11 addresses technology that allows the original sender to obtain information regarding receipt of a  
12 file, including notification if that file is sent on to someone else (a “successive recipient”) or if the  
13 original recipient deletes, prints, or saves the file. ‘670 Patent col. 3 l. 15-40.

##### 14 a. Sufficiency of Infringement Contentions

15 Zynga contends that Plaintiff’s infringement contention charts are vague and “lack the  
16 specificity to raise a reasonable inference that the accused products infringe.” (Joint Letter at 4.)  
17 Patent Local Rule 3-1(c) requires Plaintiff to provide:

18 A chart identifying specifically where each limitation of each asserted claim is  
19 found within each Accused Instrumentality, including for each limitation that such  
20 party contends is governed by 35 U.S.C. § 112(6), the identity of the structure(s),  
act(s), or material(s) in the Accused Instrumentality that performs the claimed  
function.

21 The degree of specificity must be sufficient to provide reasonable notice to the defendant why the  
22 plaintiff believes it has a reasonable chance of proving infringement and raise a reasonable  
23 inference that all accused products infringe. *See Shared Memory Graphic LLC v. Apple, Inc.*, 812  
24 F. Supp. 2d 1022, 1025 (N.D. Cal. 2010). Contentions that fail to provide defendant with fair  
25 notice of the plaintiff’s infringement theories are insufficient and must be amended. *Id.* at 1025-  
26 26.

27 In the Joint Letter, Digital Reg summarizes the ‘670 Patent function as “tracking and  
28 controlling access to electronic content, such as text, graphics, audio, video, and executable

1 program files.” (Joint Letter, at 2.) In its claims chart, however, Digital Reg does not clearly  
2 define “electronic content” for each limitation. To the contrary, “electronic content” appears to  
3 sometimes refer to the mobile app itself or time-based rewards, high scores, or other game  
4 content. In Claim 1, the chart states that “The Accused System and method transmits notification  
5 information when the software content is accessed on a mobile device....” (Joint Letter, Exh. 1,  
6 Pl.’s Mafia Wars Claim Chart, at 6.) However, as Zynga pointed out, “software content” is a  
7 generic term, and Digital Reg fails to clarify what “electronic content” meets this limitation,  
8 whether it is the mobile app itself, time-based rewards, high scores, bonuses, etc. (Def.’s Mot. to  
9 Compel, Dkt. No. 246, Exh. C, Deficiencies in Infringement Contentions Chart, at 2.) Likewise,  
10 in claim 32, Digital Reg does not specify the electronic content applicable to the first limitation,  
11 only stating that it includes “game content.” (Joint Letter, Exh. 1, Pl.’s Mafia Wars Claim Chart,  
12 at 18.)

13 After reviewing the parties’ informal descriptions of the technology in the ‘670 Patent, the  
14 patent itself, and hearing oral argument, the Court finds Plaintiff’s infringement contentions are  
15 too vague, because Plaintiff has not sufficiently articulated the specific “electronic content” at  
16 issue and how that content is being tracked in an infringing manner necessary to put Zynga on  
17 reasonable notice as to Digital Reg’s theories of infringement. *See Shared Memory Graphic LLC*,  
18 812 F. Supp. 2d at 1025. Digital Reg has had access to Zynga’s source code since October 2012.  
19 Thus, at this juncture, Digital Reg should be able to amend its ICs to clearly articulate how each  
20 of Zynga’s apps infringe on the ‘670 Patent.

21 Digital Reg is hereby ordered to amend its infringement contentions to conform with  
22 Patent L.R. 3-1. In doing so, Plaintiff must specify the particular “electronic content” at issue in  
23 each limitation, identify all recipients and senders, as well as the processes that are being tracked  
24 in an infringing manner by each accused instrumentality.

25 b. Addition of New Apps without Obtaining Leave of Court

26 In its supplemental ICs filed on August 30, 2012, Digital Reg dropped four mobile apps it  
27 had previously accused in its original ICs (Farmville, Poker, Vampires, and Word Scramble  
28

1 Challenge), and added ten newly-accused mobile apps.<sup>1</sup> As stated above, Judge Wilken only gave  
2 Digital Reg permission to supplement its infringement contentions to comply with Patent L.R. 3-  
3 1(d), (h). Digital Reg did not obtain leave to amend pursuant to Patent L.R. 3-6, which requires a  
4 timely showing of good cause. Zynga seeks to have the ten new apps stricken. Digital Reg was  
5 silent on this issue in the Joint Letter, but at the hearing proffered that the original claims chart  
6 was representative of all Zynga apps because they share a common platform. This, however,  
7 would not explain why Digital Reg removed four of the apps originally included in its ICs.

8 Even if the Court were to entertain this theory, Digital Reg bears the burden of explaining  
9 why its claim chart is representative of all accused products. *See Bender v. Maxim Integrated*  
10 *Products, Inc.*, C-09-01152-SI, 2010 WL 1135762, at \*3 (N.D. Cal., March 22, 2010) (Plaintiff’s  
11 nine claim charts to represent 200 infringing products did not comply with Patent L.R. 3-1,  
12 because Plaintiff failed to provide “an adequate explanation of why the claim charts are  
13 representative of all of the accused products.”). Digital Reg claims that it provided separate claim  
14 charts for each mobile app to pacify Zynga in an attempt to obviate the present motion to compel,  
15 rather than because they were distinctive. Digital Reg does not explain why it added ten new  
16 apps, and dropped four others from the original ICs filed in the Eastern District of Texas. Based  
17 on the information before the Court, Digital Reg has not met its burden, let alone successfully  
18 refuted Zynga’s claims that the apps do not share a single software platform, but are “distinct  
19 mobile apps,” several of which were acquired by third parties and not developed by Zynga. (Joint  
20 Letter, at 4 n. 1.)

21 Following Digital Reg’s rationale, any app owned by Zynga, even if not identified by  
22 Digital Reg in its ICs (including the four that it dropped), is an accused instrumentality, based on  
23 the unsubstantiated claim that they share a common, unspecified platform. The Court cannot  
24 allow this. Neither Zynga nor the Court can reasonably believe Plaintiff has a reasonable chance  
25 of proving infringement or raising a reasonable inference that all accused and unaccused products  
26  
27

---

28 <sup>1</sup> ForestVille, Cityville Holidaytown, Slots, CityVille, Dream Pethouse, Draw Something, Dream  
Zoo, Dream Heights, Zombie Swipeout, and Zombie Smash.

1 infringe. Zynga is entitled to reasonable notice, and alleging a representative platform, without an  
2 explanation, is insufficient.

3 Digital Reg failed to provide an adequate explanation as to why the claim charts are  
4 representative of all unspecified, accused products. Further, Digital Reg did not obtain leave to  
5 add new products pursuant to Patent L.R. 3-6. For these reasons, the new apps must be stricken,  
6 such that—after the removal of Farmville, Poker, Vampires, and Word Scramble Challenge from  
7 the original ICs— the only remaining Zynga apps at issue are Mafia Wars and Drop7.

### 8 **B. Sufficiency of Zynga’s Discovery Responses at this Juncture**

9 Digital Reg seeks to compel supplemental responses to its requests for production of  
10 documents and special interrogatories. In lieu of identifying documents and answering  
11 interrogatories, Zynga has offered to produce source code for inspection. Zynga has offered to  
12 modify or supplement its discovery responses after the infringement contentions issue is resolved.

13 Courts in this district generally do not order defendants to proceed with discovery in patent  
14 cases until the plaintiff provides infringement contentions that comply with Patent L.R. 3-1. *See,*  
15 *e.g., Bender*, 2010 WL 1135762, at \*2. For that reason, Digital Reg’s request is denied without  
16 prejudice and the parties should meet and confer regarding supplemental responses after Plaintiff  
17 serves its amended ICs.

### 18 **C. Zynga’s Source Code Production**

19 The parties have two ongoing disputes regarding source code inspection and the  
20 production of source code printouts. The Court recognizes that Zynga has, in good faith,  
21 produced source code for inspection, despite not being under an obligation to do so at this  
22 juncture, given the insufficiencies of Plaintiff’s ICs.

#### 23 a. Source Code Review Tools

24 Digital Reg requests the use of compiler software (XCode) as a tool to review the  
25 proprietary source code that Zynga has produced for inspection. (Joint Letter, at 8.) Zynga timely  
26 objected to using compiler tools, in accordance with the stipulated protective order. (Stipulated  
27 Protective Order, Dkt. No. 242, ¶ 20(d), at 12.) Zynga bases its objection on the fact that  
28 compilers are not source code review tools, but rather developer tools, and that the creation of the

1 functional build environment required to utilize a compiler would be unduly burdensome. (Joint  
2 Letter, at 8-9.)

3 According to Zynga, Digital Reg requested three types of software for source code review  
4 during their meet and confer process, all of which Zynga is willing to install on its standalone  
5 computer: (1) an editor, Notepad++ (which Zynga loaded); (2) a tool to search across the  
6 codebase more efficiency (Zynga suggested wingrap); and (3) a tool to build a call graph to trace  
7 function calls through code (Zynga suggested Doxygen). (Joint Letter, at 9.) Zynga asserts that  
8 any qualified computer engineer could use those tools to review source code quickly and  
9 efficiently without the use of a compiler.

10 Digital Reg claims that source code review tools are not “a real alternative” to a compiler.  
11 (Joint Letter, at 8.) Courts in this district, however, have found that, while compiler tools may  
12 make it easier to review source code, because it assesses the program’s execution of tasks and  
13 functionality, source code analyzer tools are sufficient to compare functionality of particular  
14 source code. *See Brookhaven Typesetting Services, Inc. v. Adobe Systems Inc.*, 2007 U.S. Dist.  
15 LEXIS 62661, at \*25 (N.D. Cal. Aug. 24, 2007).

16 In *Brookhaven*, the Court found a textual comparison can support an inference of  
17 infringement or non-infringement without the use of a compiler within the copyright context. *Id.*  
18 at \*25 (plaintiff copyrighted its source code, not a particular method or process). This case has  
19 been cited in the patent context, wherein the court declined to provide “a complete, functional  
20 build environment for the source code” that would allow for compiling source code. *Kelora Sys,*  
21 *LLC v. Target Corp.*, No. C 11-01548-CW (LB), 2011 U.S. Dist. LEXIS 96724, at \*9-10 (Aug.  
22 29, 2011). In rejecting the use of a compiler, the court declined to depart from the district’s  
23 model protective order because “the benefits of making it easier for [Plaintiff] to evaluate the  
24 Accused Infringers’ source code do not outweigh the burdens associated with the proposal.” *Id.* at  
25 \*9.

26 Like the defendant in *Brookhaven*, Zynga claims that creating a functional build  
27 environment (compiler) would impose an extraordinary burden because it would consume  
28



1 substantial engineering resources, and it would still be inherently inaccurate on a standalone  
2 computer with no internet connection. (Joint Letter, at 9, n. 3.)

3 In light of the availability of source code analyzer tools and the extraordinary burden that  
4 a compiler would impose on Zynga, the Court denies Digital Reg’s request for a compiler for  
5 source code review. The parties are ordered to further meet and confer regarding the installation  
6 of other source code analyzer tools.

7 b. Requested Source Code Printouts

8 Digital Reg requests source code printouts of 14 complete files, claiming it needs the  
9 complete files so that experts may review them for the purposes permitted by the stipulated  
10 protective order, and that limited portions of source code without context are meaningless. The  
11 protective order only provides for printouts of “limited portions of source code that are reasonably  
12 necessary for the preparations of court filings, pleadings, expert reports, or other papers... but  
13 shall not request paper copies for the purposes of reviewing the source code.” (Stipulated  
14 Protective Order, Dkt. No. 242, ¶ 20(e), at 13.)

15 Zynga objects based on the belief that the request is for the improper purpose of source  
16 code review, because the request is for entire files consisting of 200 pages of source code,  
17 encompassing more than 500 functions, almost all of which have nothing to do with Digital Reg’s  
18 contentions. (Joint Letter, at 9-10.) During the meet and confer process, Zynga offered to provide  
19 printouts of limited portions of these 14 files that correspond to specific functions identified by  
20 Digital Reg, but Digital Reg refused, demanding the complete files. At the hearing, Zynga  
21 suggested that Digital Reg’s experts could inspect the complete files on Zynga’s standalone  
22 computer, and then request limited portions of source code. Digital Reg maintained, without  
23 further explanation, that it still required printouts of the complete files.

24 The Court will not controvert the stipulated protective order, so Digital Reg’s request for  
25 source code printouts of 14 complete files is denied, and the parties are ordered to further meet  
26 and confer regarding which limited portions of Zynga’s source code will be produced in hard  
27 copy, and arrange to have Digital Reg’s experts inspect the complete files to determine the limited  
28 portions of the source code needed, if necessary.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

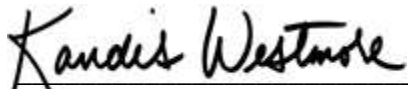
**IV. CONCLUSION**

For the reasons set forth above, Digital Reg is ORDERED to amend its infringement contentions within 14 days of this order. Based on Digital Reg’s failure to obtain leave to substantively amend its infringement contentions to add more products pursuant to Patent L.R. 3-6, and failure to oppose Zynga’s request that they be stricken, all apps and corresponding claims charts for ForestVille, Cityville Holidaytown, Slots, CityVille, Dream Pethouse, Draw Something, Dream Zoo, Dream Heights, Zombie Swipeout, and Zombie Smash are stricken. The only remaining apps at issue are Mafia Wars and Drop7.

Digital Reg’s request for Zynga to supplement its special discovery responses, at this time, is DENIED without prejudice. Digital Reg’s request for the use of a compiler is DENIED, and the parties shall meet and confer regarding the use of other source code analyzer tools. Further, Digital Reg’s request for source code printouts of complete files is also DENIED.

IT IS SO ORDERED.

DATE: February 20, 2013

  
KANDIS A. WESTMORE  
United States Magistrate Judge