

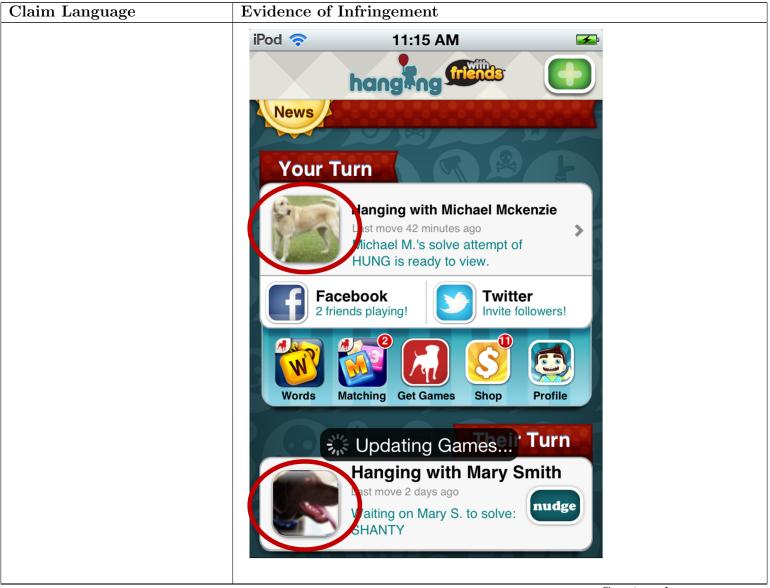
ZYNGA EXHIBIT 1002

Chart 31 - Personalized Media Communications, LLC v. Zynga, Inc. (2:12-cv-68) (Part 2 of 15) Page 51 of 102

Claim Language	Evidence of Infringement
detecting said first discrete sig-	Hanging with Friends detects the first and second discrete signals in the
nal and said second discrete sig-	information transmission. For example, Hanging with Friends detects a first
nal in said at least one informa-	discrete signal containing information related to the placement of a game item
tion transmission;	and detects a second discrete signal information related to the placement of a second game item. See below:
	a second game item. See below.

Claim Language	Evidence of Infringement
	iPod 🛜 11:28 AM 🌌
	Jennifer M. vs Michael M.
	Bonus       38/200       20         O       O       O
	strikes play
	Continued on next page

Continued on next page

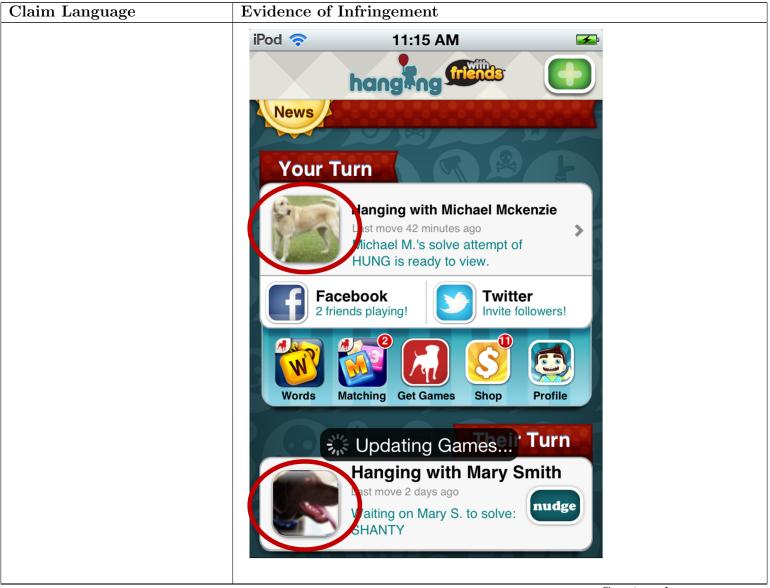


Continued on next page

Evidence of Infringement
Hanging with Friends passes the detected first and second discrete signals
to a processor so that they can be processed. For example, Hanging with
Friends passes a first discrete signal containing information related to the
placement of a first game element and passes a second discrete signal con-
taining information related to the placement of a second game element. See
below:

Claim Language	Evidence of Infringement
	iPod 🛜 11:28 AM 🌌
	Jennifer M. vs Michael M.
	Bonus       38/200       20         O       O       O
	strikes play
	Continued on next page

Continued on next page

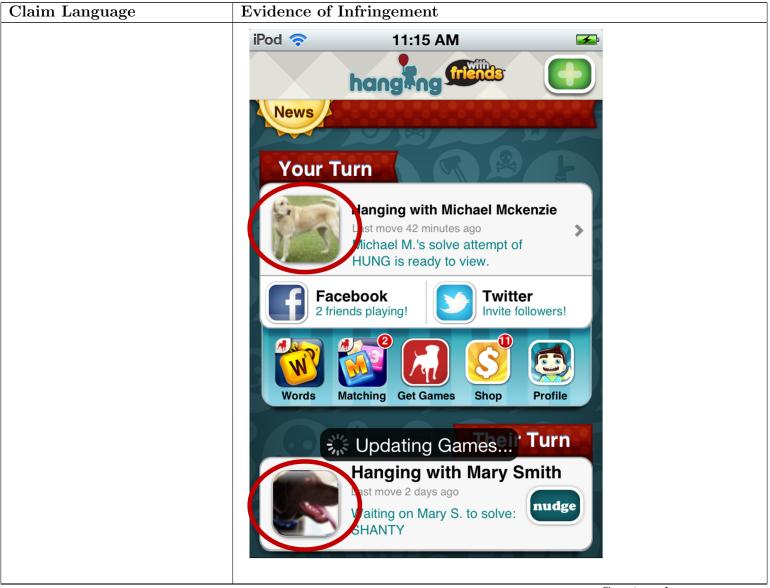


Continued on next page

Claim Language	Evidence of Infringement
organizing information included	Hanging with Friends organizes information (the placement of game ele-
in said at least one first dis-	ments) included in the first and second discrete signals to provide an or-
crete signal with information in-	ganized signal at the receiver station. For example, multiple game elements
cluded in said second discrete	are organized so that they are displayed at organized locations on the back-
signal to provide an organized	ground image, as shown below:
signal at said receiver station;	

Claim Language	Evidence of Infringement
	iPod 🛜 11:28 AM 🌌
	Jennifer M. vs Michael M.
	Bonus       38/200       20         O       O       O
	strikes play
	Continued on next page

Continued on next page

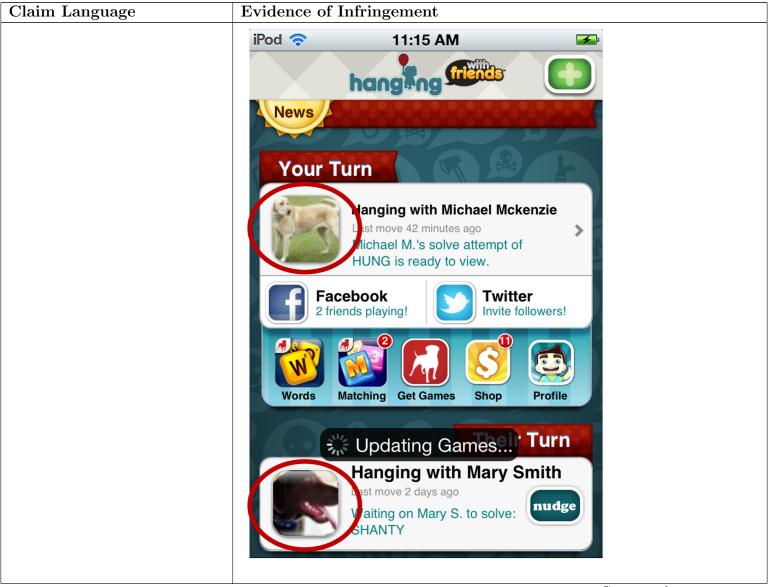


Continued on next page

Claim Language	Evidence of Infringement
generating an image in response	Hanging with Friends generates an image in response to the organized sig-
to said organized signal by pro-	nal (containing information related to the placement of game elements, for
cessing at least one user spe-	example) by processing at least one user specific subscriber datum such as a
cific subscriber datum, said at	user name, user account, or user preferences. See below:
least one user specific subscriber	
datum being stored at said re-	
ceiver station prior to said step	
of organizing and based on in-	
formation supplied by a user of	
said receiver station, said gen-	
erated image including at least	
some information content that	
does not include any informa-	
tion from said discrete signals;	
and	

Claim Language	Evidence of Infringement
	iPod 🛜 11:12 AM 🕥
	Jennifer M. Michael M.
	Bonus 26/200 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	strikes skip watch

Continued on next page

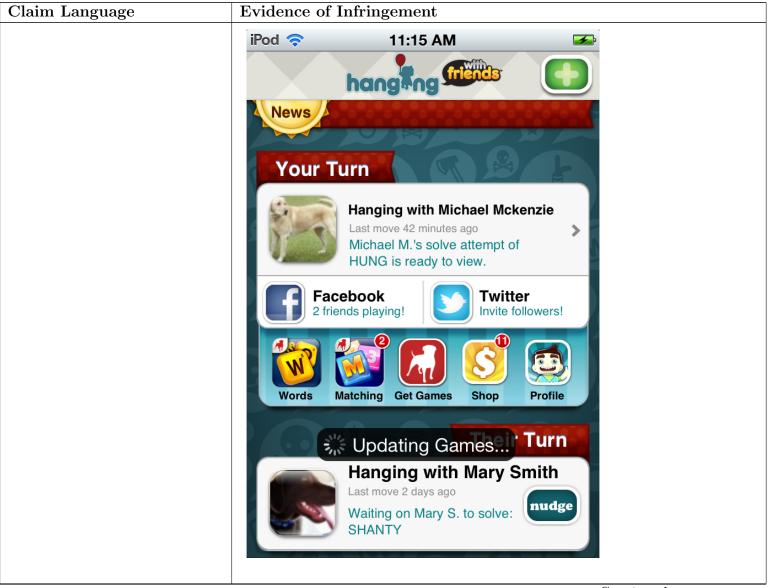


Continued on next page

Claim Language	Evidence of Infringement
	Hanging with Friends stores the user specific subscriber datum (such as a
	user name, user account, or user preference) at the receiver station prior to
	the step of organizing and based on information supplied by a user of the
	receiver station. For example, when the user first signs up for Hanging with
	Friends the user enters her name and other user specific information, such as
	her facebook information, as shown below:
	<image/> <image/>
	Continued on next page

Claim Language	Evidence of Infringement
	iPod 奈 11:28 AM 🎿
	Jennifer M. vs Michael M.
	Eonus 38/200 20 O O O O O O O O O O O O O O O O O O O
	strikes play
	Continued on nort name

Continued on next page



Continued on next page

Claim Language	Evidence of Infringement
outputting said video presenta-	This claim element does not include a "software limitation" under P.R. 3-
tion to said user, said video pre-	1(g). Hanging with Friends outputs a video presentation to the user that
sentation comprising, firstly, a	includes a video image and a coordinated display using the generated image
video image and, secondly, a	and the video image. For example, Hanging with Friends outputs a coordi-
coordinated display using said	nated display using the generated image and video images, such as the rising
generated image and said video	of ashes from the volcano and the movement of lava, where two avatars rep-
image, wherein said at least	resenting the user and an opponent have been organized according to the
some information content of	first and second signals.
said generated image is dis-	
played.	

Claim Language	Evidence of Infringement
	iPod 奈 11:28 AM 🌌
	Jennifer M. vs Michael M. chat
	Bonus       38'00       20         O       O       O
	strikes play
	Continued on next page

Continued on next page

Claim Language	Evidence of Infringement
19. The method of claim 18,	Zynga provides Hanging with Friends as a "mobile game" to its users play-
wherein a receiver specific con-	ing on personal computing devices such as, for example, mobile handheld
trol signal is generated based	devices. A user of Hanging with Friends directly infringes Claim 19 by per-
on a third discrete signal, said	forming the method steps on a personal computing device. Zynga indirectly
method further including the	infringes Claim 19 by inducing and contributing to the direct infringement
step of: selecting said video pre-	of its users. Zynga directly infringes Claim 19 by testing and demonstrating
sentation in response to said	Hanging with Friends. Unless indicated otherwise, each element in Claim
generated receiver specific con-	19 includes a "software limitation" under P.R. 3-1(g). Additional evidence
trol signal.	of infringement may be supplied as needed in accordance with the Local
	Rules and the Docket Control Order following the production of source code, source code documentation, flowcharts, and/or other source code related doc- uments or testimony for Hanging with Friends. The priority date for Claim 19 is November 3, 1981.
	Hanging with Friends includes a third discrete signal that generates a receiver specific control signal. Further, a video presentation is selected in response to the generated receiver specific control signal. For example, the screenshot below displays an additional element that starts a video presentation, such as the "watch" button.
	as the "watch" button.

Claim Language	Evidence of Infringement
	iPod 奈 🔆 1:46 PM 🚘
	Jennifer M. vs Michael M.
	Eorus 52/200 20 Tap Watch to see Michael M. guess: WICK
	strikes skip watch
	Continued on nert nage

Continued on next page

Claim Language	Evidence of Infringement
	Once the user clicks on the "watch" button, a video of the opponent's attempt
	to guess a word is output to the user, as shown below. As another example, also output to the user are three icons, representing life lines for the user, that slide into their locations.

Claim Language	Evidence of Infringement
	iPod 🗢 1:46 PM 🖨 Jennifer M. vs Michael M. chat
	strikes

Continued on next page

Claim Language	Evidence of Infi	ringement			
	iPod 🛜	1:48 PN	1		
	Jen	nifer M. vs ●●●●	Aichael M. ●●●●●	chat	
		nus 52/200			
	strikes		<b>9</b>		
	? ?	??			
	AB	CD	EF	G	
	HI	JK	LM	Ν	
	OP	QR	ST	U	
	VW	XY	Z	resign	

Continued on next page

Claim Language	Evidence of Infringement		
22. The method of claim 18,	Zynga provides Hanging with Friends as a "mobile game" to its users play-		
further comprising the steps of:	: ing on personal computing devices such as, for example, mobile handh		
	devices. A user of Hanging with Friends directly infringes Claim 22 by per-		
	forming the method steps on a personal computing device. Zynga indirectly		
	infringes Claim 22 by inducing and contributing to the direct infringement		
	of its users. Zynga directly infringes Claim 22 by testing and demonstrating		
	Hanging with Friends. Unless indicated otherwise, each element in Claim		
	22 includes a "software limitation" under P.R. 3-1(g). Additional evidence		
	of infringement may be supplied as needed in accordance with the Local		
	Rules and the Docket Control Order following the production of source code,		
	source code documentation, flowcharts, and/or other source code related doc-		
	uments or testimony for Hanging with Friends. The priority date for Claim		
	22 is November 3, 1981.		
receiving said at least one user	The receiver station receives at least one user specific subscriber datum		
specific subscriber datum; and	through user input or the user specific subscriber datum may be received		
	from the Zynga servers. For example, the user can update their sound pref-		
	erences.		
	Continued on next nage		

Claim Language	Evidence of Infring	gement	
Claim Language	iPod 🗢	10:41 AM ptions cts	
	Shake to Sh	nuffle ON okay!	

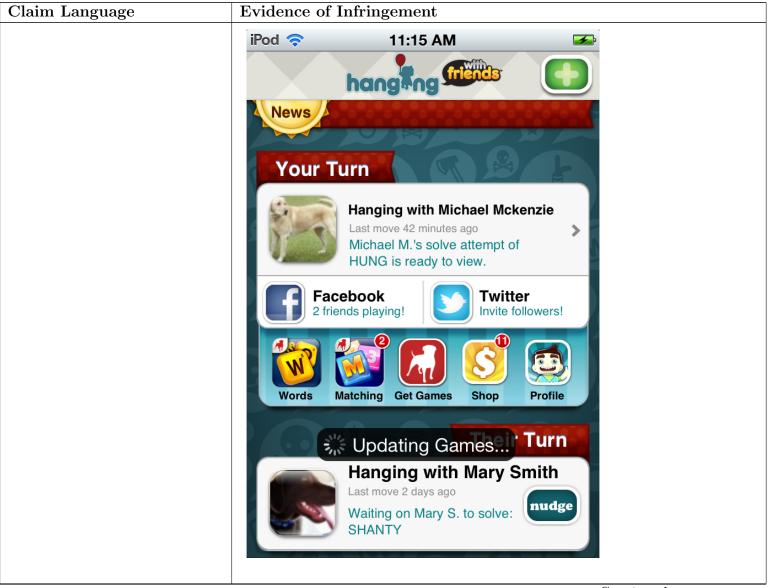
Continued on next page

Claim Language	Evidence of Infringement
	As another example, the screenshot below shows specific subscriber datum that was received from the Zynga servers, such as the current game state of
	the user.

Claim Language	Evidence of Infringement
	iPod 奈 11:28 AM 🎿
	Jennifer M. vs Michael M.
	Eonus 38/200 20 O O O O O O O O O O O O O O O O O O O
	strikes play
	$2 \Delta^2 2$
	Continued on nort name

Continued on next page

Claim Language	Evidence of Infringement
	As a further example, the screenshot below shows specific subscriber datum that was received from the Zynga servers, such as the current game state of the user's friend.



Continued on next page

Claim Language	Evidence of Infringement
passing said at least one user	The user specific subscriber datum received by user input or from the Zynga
specific subscriber datum to a	server is passed to a storage device. This is demonstrated when the program
storage device.	is exited and reentered without an Internet connection. The user preferences
	for the sound settings is not reset to default when accessed without an In-
	ternet connection, and instead shows the previously entered user preference,
	as shown below. Thus, the user preferences are stored on a storage device.

Claim Language	Evidence of Infringement
Claim Language	Evidence of Infringement
	okay!

Continued on next page

Claim Language	Evidence of Infringement
	Further, user data received from the Zynga servers are stored at the receiver
	station. For example, the screenshot below shows a game without a valid
	connection that shows specific user data is still available, such as the last word
	played by the user, "SHANTY" in this example, and information relating to
	the user's ongoing game with a friend or opponent.

Claim Language	Evidence of Infringement
	Pod       11:18 AM         hanging       file         News       file         Your Turn       Network Required         Hanging With Friends requires an active internet connection to play. EDGE, 3G and Wi-Fi are supported. Please go to settings on your device and adjust network connection.         DGE, 3G and Wi-Fi are supported. Please go to settings on your device and adjust network connection.         Matching       OK         Banging with Mary Shop         Protein         Hanging with Mary Smith Lat move 2 days ago         Watting on Mary S. to solve:         SHANTY
L	

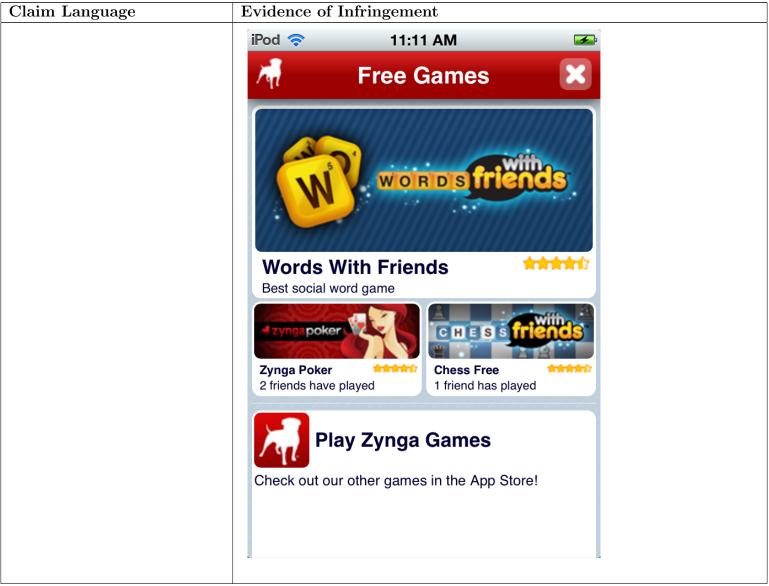
Continued on next page

Claim Language	Evidence of Infringement
	As another example, the Zynga server stores the user's account information, which is validated each time the user logs in.
23. The method of claim 18, further including the step of:	Zynga provides Hanging with Friends as a "mobile game" to its users play- ing on personal computing devices such as, for example, mobile handheld devices. A user of Hanging with Friends directly infringes Claim 23 by per- forming the method steps on a personal computing device. Zynga indirectly infringes Claim 23 by inducing and contributing to the direct infringement of its users. Zynga directly infringes Claim 23 by testing and demonstrating Hanging with Friends. Unless indicated otherwise, each element in Claim 23 includes a "software limitation" under P.R. 3-1(g). Additional evidence of infringement may be supplied as needed in accordance with the Local Rules and the Docket Control Order following the production of source code, source code documentation, flowcharts, and/or other source code related doc- uments or testimony for Hanging with Friends. The priority date for Claim 23 is November 3, 1981.
contacting a remote station to obtain said at least one user spe- cific subscriber datum.	Hanging with Friends contacts the Zynga server to obtain at least one specific subscriber datum, such as to update user specific subscriber data. As an example, the user specific subscriber datum is the game state, as shown below.

Claim Language	Evidence of Infringement
	iPod 奈 11:28 AM 🎿
	Jennifer M. vs Michael M.
	Eonus 38/200 20 O O O O O O O O O O O O O O O O O O O
	strikes play
	$2 \Delta^2 2$
	Continued on nort name

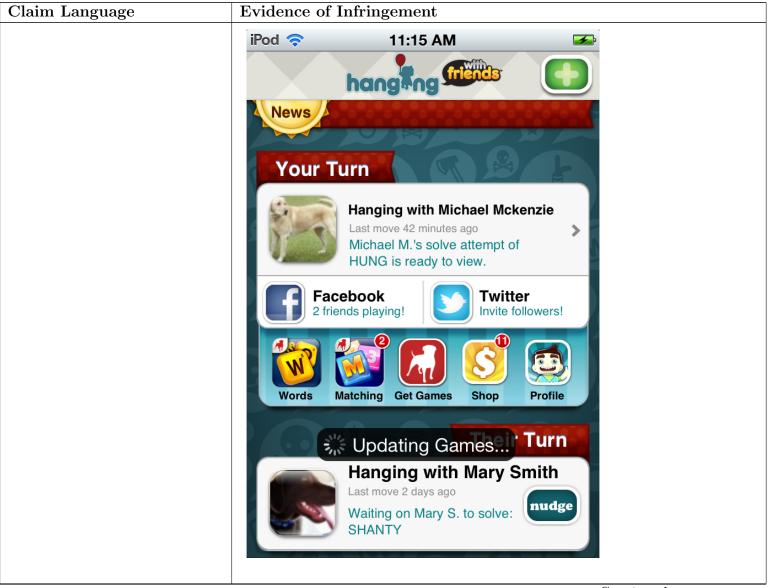
Continued on next page

Claim Language	Evidence of Infringement
	Hanging with Friends also contacts the Zynga server to update advertisement
	information.



Continued on next page

Claim Language	Evidence of Infringement
	As another example, Hanging with Friends also contacts the Zynga server to
	update the user's friend's game state.



Continued on next page

Claim Language	Evidence of Infringement
24. The method of claim 18,	Zynga provides Hanging with Friends as a "mobile game" to its users play-
wherein a receiver specific con-	ing on personal computing devices such as, for example, mobile handheld
trol signal is processed based	devices. A user of Hanging with Friends directly infringes Claim 24 by per-
on a third discrete signal, said	forming the method steps on a personal computing device. Zynga indirectly
method further including the	infringes Claim 24 by inducing and contributing to the direct infringement
step of outputting said video	of its users. Zynga directly infringes Claim 24 by testing and demonstrating
image in response to said re-	Hanging with Friends. Unless indicated otherwise, each element in Claim
ceiver specific control signal,	24 includes a "software limitation" under P.R. 3-1(g). Additional evidence
wherein said coordinated dis-	of infringement may be supplied as needed in accordance with the Local
play is output based on said re-	Rules and the Docket Control Order following the production of source code,
ceiver specific control signal.	source code documentation, flowcharts, and/or other source code related doc-
	uments or testimony for Hanging with Friends. The priority date for Claim
	24 is November 3, 1981.
	Hanging with Friends includes a third discrete signal that processes a re-
	ceiver specific control signal. For example, the screenshot below displays an
	additional element that starts the coordinated display, such as the "watch"
	button.
	Continued on next nage

Claim Language	Evidence of Infringement
	iPod 📚 🔆 1:46 PM 🚘
	Jennifer M. vs Michael M.
	Eotus 52/200 20 Tap Watch to see Michael M. guess: WICK
	strikes skip watch
	Continued on nert nage

Continued on next page

Claim Language	Evidence of Infringement
	Once the user clicks the "watch" button, a video presentation is output to
	the user.

Claim Language	Evidence of Infringement
	iPod  1:46 PM Jennifer M. vs Michael M. chat
	Continued on next name

Continued on next page

Claim Language	Evidence of Infringement
	The display is output based on the receiver specific control signal, specifically
	the "watch" button.

Claim Language	Evidence of Infringement
	iPod 🛜 🔆 1:46 PM 📟
	Jennifer M. vs Michael M.
	Exclus     52/200     20       Tap Watch to see       Michael M. guess:       WICK
	strikes skip watch
	Continued on pert page

Continued on next page

Claim Language	Evidence of Infringement
28. The method of claim 18, wherein said receiver station in- cludes a video monitor which outputs said video presentation, wherein said video presentation comprises a series of computer generated video display out- puts, and wherein by process- ing said at least one user spe- cific subscriber datum said at least one processor delivers said generated image at said video monitor in one of said series of computer generated display out- puts, said method further com- prising the step of receiving said at least one user specific sub- scriber datum from a remote	Zynga provides Hanging with Friends as a "mobile game" to its users play- ing on personal computing devices such as, for example, mobile handheld devices. A user of Hanging with Friends directly infringes Claim 28 by per- forming the method steps on a personal computing device. Zynga indirectly infringes Claim 28 by inducing and contributing to the direct infringement of its users. Zynga directly infringes Claim 28 by testing and demonstrating Hanging with Friends. Unless indicated otherwise, each element in Claim 28 includes a "software limitation" under P.R. 3-1(g). Additional evidence of infringement may be supplied as needed in accordance with the Local Rules and the Docket Control Order following the production of source code, source code documentation, flowcharts, and/or other source code related doc- uments or testimony for Hanging with Friends. The priority date for Claim 28 is November 3, 1981.
data source.	The receiver station includes a video monitor to output the video presenta- tion. The video presentation of Hanging with Friends comprises a series of computer generated video display outputs. As an example, shown below is a series of screenshots taken during a video presentation which demonstrate the series of computer generated video display outputs, which includes user specific subscriber datum.

Claim Language	Evidence of Infringement
	iPod  1:46 PM Jennifer M. vs Michael M. chat
	Continued on next name

Continued on next page

Claim Language	Evidence of Infringement
	iPod 🛜 1:48 PM 📟
	Jennifer M. vs Michael M.
	Bonus 52/200 20 9
	strikes
	? ?   ? ?
	ABCDEFG
	HIJKLMN
	OPQRSTU
	VWXYZ resign

Continued on next page

Claim Language	Evidence of Infringement
	Hanging with Friends processes the user specific subscriber datum and under the direction of Hanging with Friends the processor delivers the generated image at the video monitor in one of the series of computer generated display outputs. For example, Hanging with Friends receives the user's game status, such as the score, the user's level, and the locations of graphical elements. See below:

Claim Language	Evidence of Infringement
	iPod 🗢 11:28 AM 🗲
	Bonus 38/200 20
	strikes play
	Continued on next name

Continued on next page