503619333 12/18/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3665964

SUBMISSION TYPE: NATURE OF CONVEYANCE:		N	NEW ASSIGNMENT ASSIGNMENT			
		AS				
CONVEYING PARTY D	ATA					
		Na	me		Execution Date	
BIGI LUI					12/14/2011	
DANICA MILOSEVIC BRINTON					12/15/2011	
ERIC MATSUMURA			12/14/2011			
JOHN HUAN VU					12/13/2011	
RECEIVING PARTY DA	ATA					
Name:	ZYNGA	INC.				
Street Address:	699 EIG	699 EIGHTH STREET				
City:	SAN FF	SAN FRANCISCO				
State/Country:	CALIFC	RNIA				
Postal Code:	94103					
PROPERTY NUMBERS Total: 1 Property Type			Number	7		
				_		
Application Number:		1497476	68			
Application Number: CORRESPONDENCE		1497476	68			
		(612)339				
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i>	DATA () () () () () () () () () () () () ()	(612)339 <i>the e-n</i>			,	
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i>	DATA oe sent to provided	(612)339 <i>the e-n</i>	9-3061 nail address first; if that is u is unsuccessful, it will be se		,	
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email:	DATA () pe sent to provided ()	(612)339 <i>the e-n</i> ; <i>if that</i> 612-373 slw@bla	9-3061 nail address first; if that is un is unsuccessful, it will be se -6900 ackhillsip.com	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: <i>Correspondence will &</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name:	DATA be sent to provided	(612)339 <i>the e-n</i> ; <i>if that</i> 612-373 slw@bla SCHWE	9-3061 <i>nail address first; if that is un is unsuccessful, it will be se</i> -6900 ackhillsip.com GMAN LUNDBERG & WOES	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email:	DATA be sent to provided	(612)339 <i>the e-n</i> ; <i>if that</i> 612-373 slw@bla slw@bla SCHWE P.O. BO	9-3061 <i>nail address first; if that is un is unsuccessful, it will be se</i> -6900 ackhillsip.com GMAN LUNDBERG & WOES	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: <i>Correspondence will &</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA be sent to provided	(612)339 <i>the e-n</i> ; <i>if that</i> 612-373 slw@bla SCHWE P.O. BO MINNEA	9-3061 <i>nail address first; if that is unsuccessful, it will be se</i> -6900 ackhillsip.com GMAN LUNDBERG & WOES X 2938 APOLIS, MINNESOTA 55402	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: <i>Correspondence will &</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA be sent to provided ((((() () () () () () () ((612)339 <i>the e-n</i> 5 <i>if that</i> 512-373 slw@bla SCHWE P.O. BO MINNEA 32	9-3061 nail address first; if that is un is unsuccessful, it will be se -6900 ackhillsip.com GMAN LUNDBERG & WOES X 2938 APOLIS, MINNESOTA 55402 291.076US2	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:	DATA be sent to provided ((((() () () () () () () ((612)339 <i>the e-n</i> <i>; if that</i> 612-373 slw@bla SCHWE P.O. BO VINNEA 32 KA	9-3061 <i>nail address first; if that is un</i> <i>is unsuccessful, it will be se</i> -6900 ackhillsip.com GMAN LUNDBERG & WOES X 2938 APOLIS, MINNESOTA 55402 291.076US2 ATY GRINNELL	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE:	DATA be sent to provided ((((() () () () () () () ((612)339 <i>the e-n</i> <i>; if that</i> 612-373 slw@bla SCHWE P.O. BO MINNEA 32 K/ //K	9-3061 <i>nail address first; if that is unit is unsuccessful, it will be se</i> -6900 ackhillsip.com GMAN LUNDBERG & WOES X 2938 APOLIS, MINNESOTA 55402 291.076US2 ATY GRINNELL	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	DATA be sent to provided ((((() () () () () () () ((612)339 <i>the e-n</i> <i>; if that</i> 612-373 slw@bla SCHWE P.O. BO MINNEA 32 K/ //K	9-3061 <i>nail address first; if that is un</i> <i>is unsuccessful, it will be se</i> -6900 ackhillsip.com GMAN LUNDBERG & WOES X 2938 APOLIS, MINNESOTA 55402 291.076US2 ATY GRINNELL	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE:	DATA pe sent to provided ((((((((((((((612)339 <i>the e-n</i> <i>; if that</i> 612-373 slw@bla SCHWE P.O. BO MINNEA 32 K/ 12	9-3061 nail address first; if that is un is unsuccessful, it will be se -6900 ackhillsip.com GMAN LUNDBERG & WOES (X 2938 APOLIS, MINNESOTA 55402 291.076US2 ATY GRINNELL faty Grinnell/ 2/18/2015	ent via U	S Mail.	
CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Fotal Attachments: 5	DATA be sent to provided (((() () () () () () () ()	(612)339 <i>the e-n</i> <i>; if that</i> 612-373 slw@bla SCHWE P.O. BO MINNEA 32 K/ /K 12 #page1.1	9-3061 mail address first; if that is un- is unsuccessful, it will be second -6900 ackhillsip.com GMAN LUNDBERG & WOES 0X 2938 APOLIS, MINNESOTA 55402 291.076US2 ATY GRINNELL faty Grinnell/ 2/18/2015 tif	ent via U	S Mail.	

source=3291.076US2 Assignment#page4.tif source=3291.076US2 Assignment#page5.tif

> PATENT REEL: 037331 FRAME: 0894

ASSIGNMENT

WHEREAS, We, Bigi Lui, Danica Milosevic Brinton, Eric Matsumura, and John Huan Vu, whose mailing address is 699 Eighth Street, San Francisco, CA, 94103, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled <u>LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT</u>;

WHEREAS, We hereby authorize and request the attorneys, representing Zynga Inc. on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 13/348,542; Filing Date: January 11,2012) the filing date and application number of said application when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Zynga Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at <u>699 Eighth Street, San Francisco, CA</u> <u>94103</u>, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. <u>21186</u> may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/549,553, filed on October 20, 2011.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patient applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

Inventor: 1:

(Signature):	<u>222 /ww</u>
	Name: Bigi Lui
Date:	12/14/2011

Dextest No. 3791,076031

Assignment Chent Ref. No. P1107US1 Assignmen: Bigi Lui et al. Title: LOCALIZATION PRAMEWORK FOR DYNAMIC TEXT PRES 3 of S

×:

Inventor: 2	¥: ///	and the second se		
(Signature):		 inics Milosevic		
Date:	Dec	13720	_U_	

Docket No. 3291.076US1

Assignment Client Ref. No. P1107US1 Assignors: Bigi Lui et al. Trile: LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT Page 4 of 3

Inventor: 3	
(Signature):_	1
	Name: Eric Matsumura
Date:	12/14/11

Inventor: 4: (Signature): Name: John Huan Vu

Date: December 13,2011

Docket No: 3291.076US1

RECORDED: 12/18/2015