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Atty Ref/Docket No.: 3291.076US1

Patent and Trademark Office

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**To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.**

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1. Name of conveying party(ies):

Bigi Lui, Danica Milosevic Brinton, Eric Matsumura,  
John Huan Vu

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: December 14, 2011, December 15,  
2011, December 14, 2011, December 13, 2011

2. Name and address of receiving party(ies):

Name: Zynga Inc.

Street Address: 699 Eighth Street

City: San Francisco State: CA Zip: 94103Country: United States of AmericaAdditional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 13/348,542, filed January 11, 2012

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Katherine D. Lee

Address:

Schwegman, Lundberg &amp; Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account  
19-07438. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 19-0743

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**DO NOT USE THIS SPACE**

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy  
of the original document.Katherine D. Lee/Reg. No. 44,865/Katherine D. Lee/February 7, 2012

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 6

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks****Mail Stop Assignment Recordation Services****P.O. Box 1450****Alexandria, VA 22313-1450**

700479813

**PATENT**  
**REEL: 027690 FRAME: 0237**

CH \$40.00 190743 13348542

Attorney Docket No. 3291.076US1

Client Ref. No. P1107US1

## 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 LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT;

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 699 Eighth Street, San Francisco, CA 94103, 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 application and all divisional, continuing, substitute, renewal, reissue and all other 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. 21186 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.*

**PATENT****REEL: 027690 FRAME: 0238**

Assignment  
Client Ref. No. P1107051  
Assignee: Bigi Lui et al.  
Title: LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT  
Page 2 of 2

DocId: 3271 07051

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 patent 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: I:

(Signature):

Name: Bigi Lui

Date:

12/14/2011

Assignment

Class Ref. No. P11071US1

DocId: No. 3291.079US1

Assignors: Bigi, Lai et al.

Title: LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT

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Inventor: 2:

(Signature):

Name: Danica Mihosevic Brinton

Date:

Dec 13, 2011

Assignment  
Client Ref. No. P107021  
Assignees: Bigi Lai et al.  
Title: LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT  
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Docket No. 3291.076US1

Inventor: 3:

(Signature):

Name: Eric Matsumura

Date:

12/14/11

Assignment

Client Ref. No. P1107US1

Assignors: Bigi Lui et al.

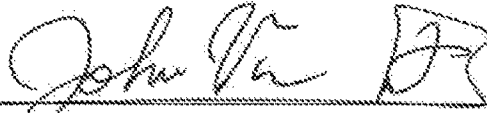
Title: LOCALIZATION FRAMEWORK FOR DYNAMIC TEXT

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Docket No: 3291.076US1

Inventor: 4:

(Signature):



Name: John Huan Vu

Date:

December 13, 2011