

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4711533

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GOOGLE LLC	10/30/2017
RECEIVING PARTY DATA	
Name:	X DEVELOPMENT LLC
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043
PROPERTY NUMBERS Total: 13	
Property Type	Number
Application Number:	61560744
Application Number:	13678342
Application Number:	14190091
Application Number:	15787656
Application Number:	14213756
Application Number:	61993820
Application Number:	14336896
Application Number:	15416468
Application Number:	61436118
Application Number:	13358454
Application Number:	14853072
Application Number:	61773077
PCT Number:	US2012065116
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	312-913-0001
Email:	mueller@mbhb.com
Correspondent Name:	MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP
Address Line 1:	300 SOUTH WACKER DRIVE
PATENT	

Address Line 4: CHICAGO, ILLINOIS 60606

NAME OF SUBMITTER: DANIEL C. POZDOL

SIGNATURE: /Daniel C. Pozdol/

DATE SIGNED: 11/30/2017

Total Attachments: 6

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ASSIGNMENT

WHEREAS, GOOGLE LLC, a limited liability company organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("ASSIGNOR"), is the owner of the entire right, title and interest in and to the patents and/or patent applications listed in the attached Schedule A ("PATENTS AND PATENT APPLICATIONS").

WHEREAS, X DEVELOPMENT LLC, a limited liability company organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("ASSIGNEE"), desires to obtain the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

NOW, THEREFORE, in consideration of the good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns and transfers to ASSIGNEE the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS, and all rights of enforcement thereto, including all rights to sue or recover for the past infringement thereof, and further including the right to file and prosecute in its own name, wherever so permitted by law, patent applications, including corresponding applications, based on any of the PATENTS AND PATENT APPLICATIONS, and to claim priority to any of the PATENTS AND PATENT APPLICATIONS pursuant to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNEE may apply for and receive patents in its own name wherever so permitted by law and ASSIGNOR shall, when requested by ASSIGNEE, execute or cause to be executed all rightful oaths, assignments, and powers of attorney to ASSIGNEE or to agents and legal representatives of ASSIGNEE, and all other papers necessary and proper to carry out the intent and purpose of this Assignment, and ASSIGNOR further agrees:

a. to execute all papers necessary in connection with the PATENTS AND PATENT APPLICATIONS, and any continuing, divisional, reissue, reexamination or other corresponding application thereof and to execute any separate Assignment in connection with such application as ASSIGNEE may deem necessary or expedient; and

b. to perform all affirmative acts which may be necessary to obtain a grant of a valid patent to ASSIGNEE on any of the PATENTS AND PATENT APPLICATIONS and on any continuation, division, reissue or reexamination of any of the PATENTS AND PATENT APPLICATIONS.

ASSIGNOR retains no ownership rights in the patent applications, the patents, the inventions, and the rights transferred to ASSIGNEE hereunder.

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized representative on this 30 day of October, 2017.

GOOGLE LLC

By:


Jeremiah Chan

Title: Assistant Secretary

Date: October 30, 2017

State of California

County of _____

On _____, before me personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

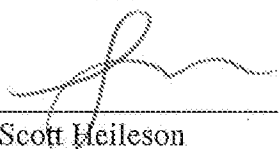
WITNESS my hand and official seal.

(Seal)

Notary Public

ASSIGNEE hereby accepts receipt of the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

X DEVELOPMENT LLC

By: 
Jeffery Scott Heileson

Title: Senior Patent Counsel

Date: 11/13/2017

State of California

County of _____

On _____, before me personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)

Notary Public

SCHEDULE A

Reference No.	Jurisdiction	Application Number	Filing Date	Patent Number	Issue Date
13-1335-WO-CN	CN	2012800672229.6	7/16/2014	-	-
13-1335-WO-EP	EP	12849815.1	5/14/2014	-	-
13-1335-WO-JP	JP	2014-542416	5/16/2014	-	-
13-1335-JP-DIV	JP	2016-182658	9/20/2016	-	-
13-1335-WO	US	PCT/US2012/065116	11/14/2012	-	-
13-1335-PRO	US	61/560,744	11/16/2011	-	-
13-1335-US	US	13/678,342	11/15/2012	9,472,011	10/18/2016
13-1335-US-CIP	US	14/190,091	2/26/2014	-	-
13-1335-CIP-CON	US	15/787,656	10/18/2017	-	-
14-340	US	14/213,756	3/14/2014	9,677,755	6/13/2017
14-341	US	61/993,820	5/15/2014	-	-
14-341-US	US	14/336,896	7/21/2014	9,588,408	3/7/2017
14-341-US-CON	US	15/416,468	1/26/2017	-	-
13-1665-PRO	US	61/436,118	1/25/2011	-	-
13-1665-US	US	13/358,454	1/25/2012	9,160,898	10/13/2015
13-1665-US-CON	US	14/853,072	9/14/2015	-	-
13-1664	US	14/195,412	3/3/2014	9,056,396	6/16/2015
13-1664-PROV	US	61/773,077	3/5/2013	-	-
13-1664-CON	US	14/712,579	5/14/2015	9,446,523	9/20/2016
13-1664-CON2	US	15/242,875	8/22/2016	-	-

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

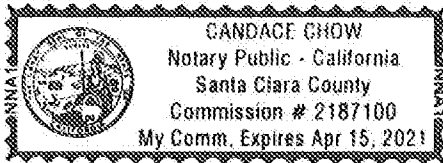
CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of Santa Clara }

On October 30, 2017 before me, Candace Chow, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Jeremiah Chan
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document:

Document Date: Number of Pages:

Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name: Signer's Name:

Corporate Officer - Title(s): Corporate Officer - Title(s):

Partner - Limited General Partner - Limited General

Individual Attorney in Fact Individual Attorney in Fact

Trustee Guardian of Conservator Trustee Guardian of Conservator

Other: Other:

Signer is Representing: Signer is Representing:

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara

On Nov 13, 2017 before me, Scott Crowell, Notary Public
(insert name and title of the officer)

personally appeared Jeffery Scott Heilesen,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Scott Crowell* (Seal)

