

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4689970

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: 1		
	Property Type	Number
	Application Number:	15616096
CORRESPONDENCE DATA		
Fax Number:	(877)769-7945	
<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:	(202) 783-5070	
Email:	apsi@fr.com	
Correspondent Name:	DAVID E. JORDAN	
Address Line 1:	FISH & RICHARDSON P.C.	
Address Line 2:	P.O.BOX 1022	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022	
ATTORNEY DOCKET NUMBER:	43374-2006002	
NAME OF SUBMITTER:	LAUREN WEBER	
SIGNATURE:	/Lauren Weber/	
DATE SIGNED:	11/15/2017	
Total Attachments: 6		
source=GoogleToXDevelopmentLLC - Signed - 13NOV2017 - 5#page1.tif		
source=GoogleToXDevelopmentLLC - Signed - 13NOV2017 - 5#page2.tif		
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source=GoogleToXDevelopmentLLC - Signed - 13NOV2017 - 5#page4.tif		
source=GoogleToXDevelopmentLLC - Signed - 13NOV2017 - 5#page5.tif		

ASSIGNMENT

WHEREAS, GOOGLE LLC, a Delaware limited liability company, 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 Heilesen

Title: Senior Patent Counsel

Date: _____

11/13/2017

State of California

County of _____

Santa Clara

On 11-13-17, before me personally appeared Jeffery Scott Heilesen,

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
13-961-PRO	US	61/847,075	7/16/13	-	-
13-961-US	US	14/333,423	7/16/14	9,441,820	9/13/16
13-1300	US	61/882,588	9/25/13	-	-
13-1300-US	US	14/490,340	9/18/14	9,488,901	11/08/16
13-1336	US	14/094,674	12/2/13	9,157,795	10/13/15
13-1336-US-CON	US	14/849,086	9/9/15	-	-
13-1728	US	14/198,574	3/5/14	9,223,192	12/29/15
14-460	US	62/001,517	5/21/14	-	-
14-460-US	US	14/333,335	7/16/14	9,278,449	3/8/16
14-460-US-CON	US	15/006,290	1/26/16	-	-
14-462	US	14/295,168	6/3/14	9,308,647	4/12/16
14-462-WO	WO	PCT/US2015/02 8528	4/30/15	-	-
14-462-WO-CN	CN	201580028216.1	11/28/16	-	-
14-462-WO-EP	EP	15725143.0	10/11/16	-	-
14-462-US-CON	US	15/059,540	3/3/16	-	-
14-459	US	14/242,828	4/1/14	-	-
14-459-US-CON	US	15/616,096	6/7/17	-	-
14-459-WO	WO	PCT/US2015/02 3358	3/30/15	-	-
14-459-WO-CN	CN	201580027799.6	11/25/16	-	-
14-459-WO-EP	EP	15719329.3	9/27/16	-	-
14-463	US	14/242,840	4/1/14	-	-
14-463-WO	WO	PCT/US2015/02 3359	3/30/15	-	-
14-463-WO-CN	CN	201580028260.2	11/28/16	-	-
14-463-WO-EP	EP	15717719.7	9/27/16	-	-
14-461	US	62/001,521	5/21/14	-	-
14-461-US	US	14/333,311	7/16/16	-	-
14-461-WO	WO	PCT/US2015/02 8526	4/30/15	-	-
14-461-WO-CN	CN	201580025396.8	11/16/16	-	-
14-461-WO-EP	EP	15725142.2	10/11/16	-	-
14-461-US-CON	US	15/384,273	12/19/16	-	-

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

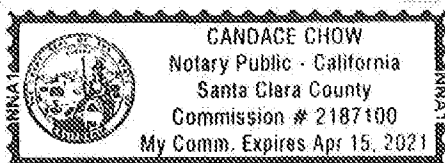
Here Insert Name and Title of the Officer

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

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

personally appeared Jeffery Scott Heikson
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  (Seal)

