

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4686468

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MOTOROLA MOBILITY LLC	10/28/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOOGLE TECHNOLOGY HOLDINGS LLC
<b>Street Address:</b>	1600 AMPHITHEATRE PARKWAY
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15811033
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)233-7342
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<b>ATTORNEY DOCKET NUMBER:</b>	GGL-545-CON2
<b>NAME OF SUBMITTER:</b>	JOSEPH J. PROBST
<b>SIGNATURE:</b>	/joseph j. probst/
<b>DATE SIGNED:</b>	11/13/2017
<b>Total Attachments: 6</b>	
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## U.S. PATENT ASSIGNMENT

This PATENT ASSIGNMENT (the "ASSIGNMENT") dated as of October 28, 2014 is entered into by and between Motorola Mobility LLC ("ASSIGNOR") and Google Technology Holdings LLC ("ASSIGNEE").

### WITNESSETH:

WHEREAS, ASSIGNOR desires to assign to ASSIGNEE all of its right, title and/or interest in and to those patents and patent applications set forth in Schedule A hereto (all such patents and patent applications, whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, abandoned or the like, collectively, the "PATENTS AND PATENT APPLICATIONS").

WHEREAS, 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, the parties hereby agree as follows:

Section 1. Assignment. ASSIGNOR hereby assigns and transfers to ASSIGNEE, and ASSIGNEE hereby accepts, all of ASSIGNOR's right, title and interest throughout the world in, to and under the PATENTS AND PATENT APPLICATIONS, including the inventions claimed therein, and all reissuances, continuations, continuations-in-part, revisions, renewals, divisionals, extensions and reexaminations thereof, and any and all letters patent which may be granted therefor in any jurisdiction, and all rights of action, powers, and benefits arising from ownership of the PATENTS AND PATENT APPLICATIONS, for ASSIGNEE's own use and enjoyment, and for the use and enjoyment of ASSIGNEE's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this ASSIGNMENT had not been made, including, in each case:

(a) the right to sue and recover for damages or other compensation and the right to sue and obtain other legal and equitable remedies in respect of all causes of action arising before, on, or after the date of this ASSIGNMENT, including in respect of past, present or future infringements, and the right to fully and entirely stand in the place of the ASSIGNOR in all matters related thereto; and ASSIGNOR hereby also assigns and transfers to ASSIGNEE any claims for past use or infringement of the PATENTS AND PATENT APPLICATIONS, including claims for damages and accounting under applicable law;

(b) 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 prosecute, make filings with respect to, register, defend and maintain the PATENTS AND PATENT APPLICATIONS before any patent office and governmental authority, including by filing reissues, reexaminations, divisionals, continuations, continuations-in-part, substitutes, extensions and all other applications relating thereto; and

(c) the right 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.

ASSIGNOR retains no ownership rights in the PATENTS AND PATENT APPLICATIONS and the rights transferred to ASSIGNEE hereunder.

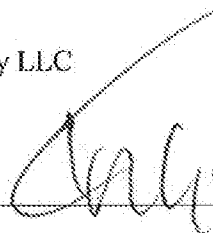
Section 2. Patent Rights. ASSIGNEE may apply for and receive patents in its own name in respect of the PATENTS AND PATENT APPLICATIONS wherever so permitted by law.

Section 3. General. As used in this ASSIGNMENT, the words "herein," "hereof" and "hereunder" and other words of similar import refer to this ASSIGNMENT as a whole, as the same may from time to time be amended or supplemented and not to any particular subdivision contained in this ASSIGNMENT. The word "including" when used herein is not intended to be exclusive, or to limit the generality of the preceding words, and means "including, without limitation." This ASSIGNMENT shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns. This ASSIGNMENT shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of California, without giving effect to the conflict of laws rules thereof. This ASSIGNMENT may be signed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, ASSIGNOR has caused this ASSIGNMENT to be executed by its duly authorized representative on this 28 day of October, 2014.

Motorola Mobility LLC

By: \_\_\_\_\_



Printed Name: \_\_\_\_\_

Kenneth Yi

Title: \_\_\_\_\_

Assistant Secretary

Date: \_\_\_\_\_

10/28/14

State of California

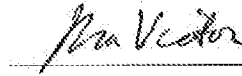
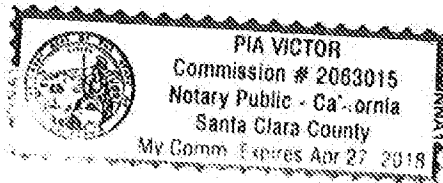
County of Santa Clara

On October 28, 2014 before me personally appeared Kenneth Yi 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

My commission expires: 4/27/18

*Signature page to the U.S. Patent Assignment*

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

Google Technology Holdings LLC

By: \_\_\_\_\_

*[Handwritten Signature]*

Printed Name: \_\_\_\_\_

*Kenneth Yi*

Title: \_\_\_\_\_

*Assistant Secretary*

Date: \_\_\_\_\_

*10/28/14*

State of California

County of *Santa Clara*

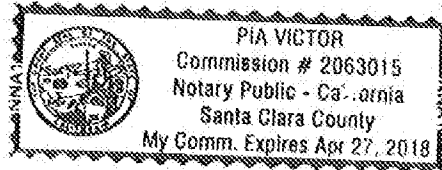
On *October 28, 2014*, before me personally appeared *Kenneth Yi*, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature 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)

*[Handwritten Signature]*



Notary Public

My commission expires: *4/27/18*

*Signature page to the U.S. Patent Assignment*

**SCHEDULE A**

[See following page]

Index	DOC#	PATENT NUMBER	PATENT MASTERID	Patent Number	Publication Number	Application Number	COUNTRY	Title
15593	CS42288	141290				61/934,485	USA	Electronic Device with Display Manager Folio with Secondary Display and Methods Therefor
15594	CS42288	141589				14/183,022	USA	Electronic Device with Display Manager Folio with Secondary Display and Methods Therefor
15595	CS42296	141271				61/921,507	USA	APPARATUS AND METHOD FOR AWAKENING A PRIMARY PROCESSOR OUT OF SLEEP MODE
15596	CS42296	141367				61/973187	USA	FINGER PRINT STATE INTEGRATION WITH SENSOR HUB FOR POWER SAVINGS
15597	CS42306	141407				61/927,917	USA	Finger Print State Integration with Non-Application Processor Functions for Power Savings in an Electronic Device
15598	CS42306	141458				61/972,487	USA	DISPLAY VIEWING DETECTION
15599	CS42310	141364				61/951,283	USA	DISCOURAGING TEXT MESSAGING WHILE DRIVING
15600	CS42311	141222				61/918,752	USA	ALLOCATION OF CLIENT DEVICE MEMORY FOR CONTENT FROM CONTENT SOURCES
15601	CS42312	141408				61/969,803	USA	MULTI-SPECTRAL IMAGE COMPRESSION
15602	CS42326	141254				61/920,798	USA	METHOD AND ELECTRONIC DEVICE FOR GENERATING A CROWD-SOURCED ALERT
15603	CS42339	141338				61/955,758	USA	BIOMETRIC AUTHENTICATION FOR REGULATING ACCESS TO CONTENT SOURCES VIA A CLIENT DEVICE
15604	CS42359	141398				61/969,810	USA	MULTI-PROCESSOR SUPPORT FOR ARRAY IMAGERS
15605	CS42369	141523				61/932,852	USA	Systems and Methods for a Surface-Mountable Stamped Antenna
15606	CS42375	141471				14/229,080	USA	SYSTEM AND METHOD FOR AD-HOC SHARING OF DIGITAL CONTENT AMONG MOBILE DEVICES
15607	CS42398	141512				61/933,887	USA	PORTABLE ELECTRONIC DEVICE WITH DUAL DIAGONAL PROXIMITY SENSORS AND MODE SWITCHING FUNCTIONALITY
15608	CS42400	141671				61/970,418	USA	METHOD AND APPARATUS FOR PROVIDING CHARGING ALERTS
15609	CS42411	141513				14/219,080	USA	DISPLAY VIEWING DETECTION
15610	CS42416	141541				61/951,291	USA	MULTI-RAT PDN CONNECTIONS
15611	CS42431	141666				61/944,723	USA	MANAGING DEVICE RESOURCES AND CONFIGURATION
15612	CS42446	141625				14/222,732	USA	MANAGING DEVICE RESOURCES AND CONFIGURATION
15613	CS42447	141626				14/222,748	USA	GPS ASSISTANCE MESSAGES IN CELLULAR COMMUNICATIONS NETWORKS AND THEREFOR
15614	CS90038	46888			7747257	09/785,960	USA	MOBILE WIRELESS COMMUNICATION HANDSET WITH SOUND MIXER AND METHODS THEREFOR
15615	CS90041	46903				09/972,381	USA	IMPROVED TURBO CODE BASED INCREMENTAL REDUNDANCY
15616	CS90047RF	46915		7000173		10/074,115	USA	SELF-CONFIGURING MULTIPLE ELEMENT PORTABLE ELECTRONIC DEVICE
15617	CS90050RL	46927		7257430		10/144,406	USA	METHOD AND APPARATUS FOR IMPLEMENTING PORTABLE B-DIRECTIONAL SOFT HANDOVERS BETWEEN WIRELESS NETWORKS VIA MEDIA GATEWAY CONTROL
15618	CS90050RL	100319				11/038,739	USA	METHOD AND APPARATUS FOR DATA TRANSFER
15619	CS90055	46942		6889045		10/180,414	USA	METHOD AND APPARATUS FOR DATA TRANSFER
15620	CS90097	94983				60/533,893	USA	COMMUNICATION DEVICE INCLUDING ONE OR MORE ELECTRICAL CONTROL BUTTONS IN AN UPPER HOUSING PART
15621	CS90097	99904				11/020,326	USA	METHOD FOR CONTROLLING DIVERSITY RECEIVERS IN A WIRELESS COMMUNICATION DEVICE
15622	CS90106	97797				10/874,071	USA	COMMAND QUEUING FOR MULTIMEDIA STORAGE DEVICES
15623	CS90108	99896		7489913		11/028,870	USA	COMMAND QUEUING FOR MULTIMEDIA STORAGE DEVICES
15624	CS90008RL	47037				10/335,139	USA	COMMAND QUEUING FOR MULTIMEDIA STORAGE DEVICES
15625	CS90008RL	102725				11/166,450	USA	COMMAND QUEUING FOR MULTIMEDIA STORAGE DEVICES
15626	CS90008RL	102918				11/167,041	USA	COMMAND QUEUING FOR MULTIMEDIA STORAGE DEVICES

PATENT

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RECORDED: 11/13/2017