

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3265690

<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: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11232586
<b>Application Number:</b>	11232720
<b>Application Number:</b>	11232719
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)851-9348
<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>	
<b>Phone:</b>	9498510633
<b>Email:</b>	apennington@mwe.com, mweipdocket@mwe.com
<b>Correspondent Name:</b>	ANDREW D. MICKELSEN
<b>Address Line 1:</b>	MCDERMOTT WILL & EMERY LLP
<b>Address Line 2:</b>	500 NORTH CAPITOL STREET, N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001
<b>ATTORNEY DOCKET NUMBER:</b>	093054-0551 & 0552 & 0553
<b>NAME OF SUBMITTER:</b>	ANDREW D. MICKELSEN, REG. NO. 50,957
<b>SIGNATURE:</b>	/Andrew D. Mickelsen/
<b>DATE SIGNED:</b>	03/13/2015
<b>Total Attachments: 7</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A hereto (all such patents and patent applications, whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, abandoned or the like, collectively, the "PATENTS AND PATENT APPLICATIONS").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: \_\_\_\_\_

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

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

State of California

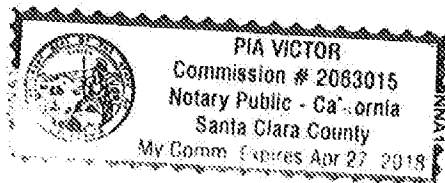
County of Santa Clara

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: 

Printed Name: Kenneth Vi

Title: Assistant Secretary

Date: 10/28/14

State of California

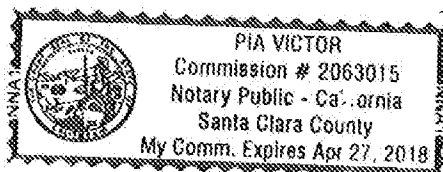
County of Santa Clara

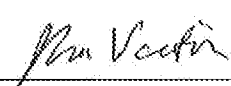
On October 28, 2014, before me personally appeared Kenneth Vi, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on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

**SCHEDULE A**

[See following page]

## Schedule A

Index	DOC. NUMBER	PATENT MASTER ID	Patent Number	Publication Number	Application Number	COUNTRY	Title
1	CP00261C	39974	5815804		08/843,905	USA	DUAL-BAND FILTER NETWORK
2	CP00273CR	39982	5933062		08/963,800	USA	ACOUSTIC WAVE LADDER FILTER WITH EFFECTIVELY INCREASED COUPLING COEFFICIENT AND METHOD OF PROVIDING SAME
3	CP00284C	39991	5821820		08/950,874	USA	DUAL BAND VOLTAGE CONTROLLED OSCILLATOR
4	CP06036X	40045	5764111		08/801,444	USA	VOLTAGE CONTROLLED RING OSCILLATOR FREQUENCY MULTIPLIER
5	CP06055X	40053	5856763		08/811,997	USA	DUAL FREQUENCY VOLTAGE CONTROLLER OSCILLATOR
6	CP06075X	40065	5856766		08/885,003	USA	COMMUNICATION DEVICE A FREQUENCY COMPENSATING SYNTHESIZER AND METHOD OF PROVIDING SAME
7	CP06085X	40073	6011959		09/040,046	USA	COMBINER CIRCUIT FOR DUAL BAND VOLTAGE CONTROLLED OSCILLATORS
8	CP06098XR	40081	5999115		09/063,242	USA	SEGMENTED DAC USING PMOS AND NMOS SWITCHES FOR IMPROVED SPAN
9	CR00001X	40229			06/730,903	USA	NESTED CONTEXTS IN A VIRTUAL SINGLE MACHINE
10	CR00001X	40230			07/270,437	USA	NESTED CONTEXTS IN A VIRTUAL SINGLE MACHINE
11	CR00003M	40239	5506686		08/344,251	USA	METHOD AND DEVICE FOR DETERMINING BIT ALLOCATION IN A VIDEO COMPRESSION SYSTEM
12	CR00003X	40243			07/000,625	USA	COMPUTER HUMAN INTERFACE COMPRISING USER-ADJUSTABLE WINDOW FOR DISPLAYING OR PRINTING INFORMATION
13	CR00003X	40244	5062060		07/355,092	USA	COMPUTER HUMAN INTERFACE COMPRISING USER-ADJUSTABLE WINDOW FOR DISPLAYING OR PRINTING INFORMATION
14	CR00004M	40250	5677969		08/392,692	USA	METHOD RATE CONTROLLER AND SYSTEM FOR PREVENTING OVERFLOW AND UNDERFLOW OF A DECODER BUFFER IN A VIDEO COMPRESSION SYSTEM
15	CR00004X	40251			07/000,620	USA	COMPUTER HUMAN INTERFACE WITH MULTI-APPLICATION DISPLAY
16	CR00004X	40252			07/689,113	USA	COMPUTER HUMAN INTERFACE WITH MULTI-APPLICATION DISPLAY
17	CR00004X	40253	5353523		07/982,401	USA	COMPUTER HUMAN INTERFACE WITH MULTI-APPLICATION DISPLAY
18	CR00005X	40263			07/000,619	USA	OBJECT-ORIENTED SOFTWARE ARCHITECTURE SUPPORTING INPUT/OUTPUT DEVICE INDEPENDENCE
19	CR00005X	40264	5502839		07/361,738	USA	OBJECT-ORIENTED SOFTWARE ARCHITECTURE SUPPORTING INPUT/OUTPUT DEVICE INDEPENDENCE
20	CR00006X	40272			06/730,929	USA	COMPUTER SYSTEM WITH DATA RESIDENCY TRANSPARENCY AND DATA ACCESS TRANSPARENCY
21	CR00006X	40273			07/110,614	USA	COMPUTER SYSTEM WITH DATA RESIDENCY AND DATA ACCESS TRANSPARENCY
22	CR00006X	40274	5014192		07/300,687	USA	SYSTEM FOR LOCATING A FILE IN A LOGICAL RING BY SEQUENTIALLY FORWARDING ACCESS REQUEST WITH FILE SYSTEM NAME AND FILE NAME
23	CR00010X	40301	4754395		06/730,621	USA	NETWORK INTERFACE MODULE WITH MINIMIZED DATA PATHS
24	CR00010X	40302	4914583		07/181,024	USA	METHOD OF INDICATING PROCESSES RESIDENT WITHIN A CELL OF A DATA PROCESSING SYSTEM
25	CR00011X	40304	4694396		06/730,892	USA	METHOD OF INTER-PROCESS COMMUNICATION IN A DISTRIBUTED DATA PROCESSING SYSTEM
26	CR00014X	40316			06/730,923	USA	LOGICAL RING IN A VIRTUAL SINGLE MACHINE
27	CR00015X	40319	4835685		06/730,922	USA	VIRTUAL SINGLE MACHINE WITH MESSAGE-LIKE HARDWARE INTERRUPTS AND PROCESSOR EXCEPTIONS
28	CR00016M	40325			08/493,039	USA	METHOD AND ANTENNA FOR PROVIDING AN OMNIDIRECTIONAL PATTERN
29	CR00016M	40326	5751252		08/959,291	USA	METHOD AND ANTENNA FOR PROVIDING AN OMNIDIRECTIONAL PATTERN
30	CR00016X	40333	5165018		07/000,621	USA	SELF-CONFIGURATION OF NODES IN A DISTRIBUTED MESSAGE-BASED OPERATING SYSTEM
31	CR00022X	40355			07/000,624	USA	PROCESS TRAPS IN A DISTRIBUTED MESSAGE BASED OPERATING SYSTEM
32	CR00022X	40356			07/336,630	USA	PROCESS CREATION AND TERMINATION MONITORS FOR USE IN A DISTRIBUTED MESSAGE-BASED OPERATING SYSTEM

PATENT

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Index	DOC# NUMBER	PATENT#/AST#/RID	Patent Number	Publication Number	Application Number	COUNTRY	Title
15720	GT100043	113318		US2007/0136492A1	11/297,974	USA	METHOD AND SYSTEM FOR COMPRESSING/DECOMPRESSING DATA FOR COMMUNICATION WITH WIRELESS DEVICES
15721	GT100044	113339	7631017	US2007/0136390A1	11/298,079	USA	METHOD AND SYSTEM FOR MAINTAINING CURRENT DATA FOR WIRELESS DEVICES
15722	GT100044	130975	8108344	US20100070472A1	12/621,996	USA	METHOD AND SYSTEM FOR MAINTAINING CURRENT DATA FOR WIRELESS DEVICES
15723	GT100067	113407			11/642,364	USA	MEETING INTEGRATION AND MESSAGE APPLICATIONS
15724	CS38268	136334		US20130082929A1	13/251,632	USA	METHOD FOR DETECTING FALSE WAKE CONDITIONS OF A PORTABLE ELECTRONIC DEVICE
15725	IND10149	58925	6091332		09/115,279	USA	RADIO FREQUENCY IDENTIFICATION TAG HAVING PRINTED CIRCUIT IN TERCONECTIONS
15726	IND10149	58948	6018299		09/103,226	USA	RADIO FREQUENCY IDENTIFICATION TAG HAVING A PRINTED ANTENNA AND METHOD
15727	IND10149	58961	6107920		09/094,261	USA	RADIO FREQUENCY IDENTIFICATION TAG HAVING AN ARTICLE INTEGRATED ANTENNA
15728	IND10149	59063	6246327		09/393,097	USA	RADIO FREQUENCY IDENTIFICATION TAG CIRCUIT CHIP HAVING PRINTED INTERCONNECTION PADS
15729	IND10149	59067	6130613		09/152,202	USA	RADIO FREQUENCY IDENTIFICATION STAMP AND RADIO FREQUENCY IDENTIFICATION MAILING LABEL
15730	IRI03265	59910	5732387		08/566,617	USA	METHOD AND APPARATUS FOR CALL ESTABLISHMENT IN A SATELLITE C OMMUNICATION SYSTEM
15731	ISO10971C	92720	6952573	US-2005-0059377-A1	10/665,954	USA	WIRELESS RECEIVER WITH STACHED SINGLE CHIP ARCHITECTURE
15732	ISO11541C	60902	6944422		10/418,342	USA	METHOD AND DEVICE FOR DETECTING AN INTERFERENCE CONDITION
15733	ISO13571C	98087	7523035	US20060019713A1	10/900,772	USA	A HANDS-FREE CIRCUIT AND METHOD
15734	ISO15561C	98981	7136482	US20060088153A1	10/973,531	USA	PROGRESSIVE ALERT INDICATIONS IN A COMMUNICATION DEVICE
15735	ISO0023	60943		US20030140113A1	10/034,794	USA	MULTI-MODE COMMUNICATION USING A SESSION SPECIFIC PROXY SERVER
15736	ISO0023	103700		US20060020704A1	11/232,586	USA	MULTI-MODE COMMUNICATION USING A SESSION SPECIFIC PROXY SERVER
15737	ISO0023	103701	7536454	US20060106935A1	11/232,720	USA	MULTI-MODE COMMUNICATION USING A SESSION SPECIFIC PROXY SERVER
15738	ISO0023	103702	8700770	US20060101147A1	11/232,719	USA	MULTI-MODE COMMUNICATION USING A SESSION SPECIFIC PROXY SERVER
15739	ISO0024	60945	7136909	US-2003-0126330-A1	10/034,572	USA	MULTIMODAL COMMUNICATION METHOD AND APPARATUS WITH MULTIMODAL PROFILE
15740	ISO0028	60949	7197331		10/334,138	USA	METHOD AND APPARATUS FOR SELECTIVE DISTRIBUTED SPEECH RECOGNITION
15741	ISO0029	60951		US20030217161A1	10/145,304	USA	METHOD AND SYSTEM FOR MULTIMODAL COMMUNICATION
15742	ISO0033	60953	7076428	US-2004-0128135-A1	10/334,030	USA	METHOD AND APPARATUS FOR SELECTIVE DISTRIBUTED SPEECH RECOGNITION
15743	ISO0034	60955	6842621	US-2003-0119527-A1	10/037,956	USA	METHOD AND APPARATUS FOR SPLITTING CONTROL AND MEDIA CONTENT FROM A CELLULAR NETWORK CONNECTION
15744	ISO0036	60957	6862277	US-2004-0081159-A1	10/281,842	USA	METHOD AND APPARATUS FOR MULTI-MEDIA COMMUNICATION OVER MULTIPLE NETWORKS
15745	LX00072U	62082	6424743		09/434,927	USA	GRAPHICAL HANDWRITING RECOGNITION USER INTERFACE
15746	LX00097	62124	7234119	US-2004-0104936-A1	10/308,797	USA	DEVICE AND METHOD FOR EDITING PROCESSED DATA INPUT
15747	MESH067	101644	6687259	US-2003-0227935-A1	10/375,013	USA	ARQ MAC FOR AD-HOC COMMUNICATION NETWORKS AND A METHOD FOR USING THE SAME
15748	MESH067	103126			60/385,574	USA	ARQ MAC FOR AD-HOC COMMUNICATION NETWORKS AND A METHOD FOR USING THE SAME
15749	NET100005	120734		US2007/0036358A1	11/201,610	USA	SECURE AND AUTOMATIC CONFIGURATION OF WIRELESS NETWORKS
15750	NN00001	109786			60/161,107	USA	FIXED OFDM WIRELESS MAN UTILIZING CPE HAVING INTERNAL ANTENNA
15751	NN00001	109796			09/694,766	USA	FIXED OFDM WIRELESS MAN UTILIZING CPE HAVING INTERNAL ANTENNA
15752	NN00001	109797		US20050171995A1	11/097,040	USA	FIXED OFDM WIRELESS MAN UTILIZING CPE HAVING INTERNAL ANTENNA
15753	NN00001	109798		US20050176378A1	11/097,500	USA	FIXED OFDM WIRELESS MAN UTILIZING CPE HAVING INTERNAL ANTENNA
15754	NN00001	109799	7633893	US20050186956A1	11/097,506	USA	FIXED OFDM WIRELESS MAN UTILIZING CPE HAVING INTERNAL ANTENNA

PATENT

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RECORDED: 03/13/2015