01/18/2017 504185031

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GAURAV SHAH	10/22/2010
WILLIAM DREWRY	10/28/2010
RANDALL SPANGLER	10/22/2010
RYAN TABONE	10/22/2010
SUMIT GWALANI	10/22/2010
LUIGI SEMENZATO	10/22/2010

RECEIVING PARTY DATA

Name:	GOOGLE INC.
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15335101

CORRESPONDENCE DATA

Fax Number: (612)332-8352

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.

Phone: 202-470-6450

Email: paralegal@effectualservices.com BRAKE HUGHES BELLERMANN LLP **Correspondent Name:**

Address Line 1: C/O CPA GLOBAL

Address Line 2: 900 SECOND AVENUE SOUTH, SUITE 600

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	0058-111003
NAME OF SUBMITTER:	MARIE SMYTH
SIGNATURE:	/Marie Smyth/
DATE SIGNED:	01/18/2017

PATENT REEL: 041012 FRAME: 0229 504185031

Total Attachments: 15 source=0058-111003 Executed Assignment#page1.tif source=0058-111003 Executed Assignment#page2.tif source=0058-111003_Executed_Assignment#page3.tif source=0058-111003_Executed_Assignment#page4.tif source=0058-111003 Executed Assignment#page5.tif source=0058-111003_Executed_Assignment#page6.tif source=0058-111003_Executed_Assignment#page7.tif source=0058-111003_Executed_Assignment#page8.tif source=0058-111003 Executed Assignment#page9.tif source=0058-111003_Executed_Assignment#page10.tif source=0058-111003_Executed_Assignment#page11.tif source=0058-111003 Executed Assignment#page12.tif source=0058-111003 Executed Assignment#page13.tif source=0058-111003_Executed_Assignment#page14.tif source=0058-111003_Executed_Assignment#page15.tif

PATENT REEL: 041012 FRAME: 0230

WHEREAS, We, GAURAV SHAH, residing at 555 W. Middlefield Road, Apt. A301, Mountain View, CA 94043, WILLIAM DREWRY, residing at 4525 Avenue C. Austin, TX 78751, RANDALL SPANGLER, residing at 6262 Bothell Circle, San Jose, CA 95123, RYAN TABONE, residing at 1899 California Street, Apt. 1, San Francisco, CA 94109, SUMIT GWALANI, residing at 243 Buena Vista Avenue, Apt. 1314, Sunnyvale, CA 94086, and LUIGI SEMENZATO, residing at 5561 Bacon Road, Oakland, CA 94619, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled FIRMWARE VERIFIED BOOT;

WHEREAS, We hereby authorize and request our attorneys, as listed on the Combined Declaration and Power of Attorney, at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. 12/903,202; Filing Date: October 12, 2010) the filing date and application number of said application when known.

AND WHEREAS, Google Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries

Assignment Attorney Docket No.: 0058-111001 Page 2 of 3

which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of October	, 2010.
MA.	
Gaurav Shah	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.

Assignment Attentiey Docket No.: 0058-111001 Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	,2010.
Randali Spangler	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Ryan Tabone	
IN TESTIMONY WHEREOF, I have hereunto set my hand this 22-day of 0610866	, 2010.
Sumit Gwalani	
Sumit Gwalani	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Luigi Semenzato	

WHEREAS, We, GAURAV SHAH, residing at 555 W. Middlefield Road, Apt. A301.

Mountain View, CA 94043, WILLIAM DREWRY, residing at 4525 Avenue C. Austin, TX

78751, RANDALL SPANGLER, residing at 6262 Bothell Circle, San Jose, CA 95123,

RYAN TABONE, residing at 1899 California Street, Apt. 1, San Francisco, CA 94109,

SUMIT GWALANI, residing at 243 Buena Vista Avenue, Apt. 1314, Sunnyvale, CA 94086,

and LUIGI SEMENZATO, residing at 5561 Bacon Road, Oakland, CA 94619, made certain

new and useful inventions and improvements for which we filed an application for Letters Patent

of the United States entitled FIRMWARE VERIFIED BOOT;

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AND WHEREAS, <u>Google Inc.</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>1600</u> <u>Amphitheatre Parkway</u>, <u>Mountain View</u>, <u>CA 94043</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries

Assignment Attorney Docket No.: 0058-111001 Page 2 of 3

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AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I be	ive hereunto set my hand this	day of	, 2010.
	Gaurav Skak		
IN TESTIMONY WHEREOF, I ba	we hereunto set my hand this <u>21</u>	day of October	, 2010.
	William Drewry	\	

IN TESTIMONY WHEREOF, I have her	eunto set my hand this	day of	, 2010
}	Randali Spangler		
THE TEST RANGE WILL DEAD I have been been		3 e	2010
IN TESTIMONY WHEREOF, I have her	cumo set my haird uns	uay or	, 2010.
	Ryan Tabone		
IN TESTIMONY WHEREOF, I have her	eunto set my hand this	day of	, 2010.
- - -	umit Gwalani		
IN TESTIMONY WHEREOF, I have here	eunto set my hand this	day of	, 2010.
 	uigi Semenzato.		

WHEREAS, We, GAURAV SHAH, residing at 555 W. Middlefield Road, Apt. A301.

Mountain View. CA 94043, WILLIAM DREWRY, residing at 4525 Avenue C. Austin, TX
78751, RANDALL SPANGLER, residing at 6262 Bothell Circle. San Jose, CA 95123,
RYAN TABONE, residing at 1899 California Street, Apt. 1, San Francisco, CA 94109,
SUMIT GWALANI, residing at 243 Buena Vista Avenue, Apt. 1314, Sunnyvale, CA 94086,
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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries

Assignment Automey Docket No.: 0058-111001

Page 2 of 3

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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Gauray Shah	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010
William Drewry	

Assignment Attorney Docket No.: 0058-111001 Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of 27085K	, 2010.
Randall Spangler	~
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Ryan Tabone	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Sumit Gwalani	~
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
	_

Luigi Semenzato

WHEREAS, We, GAURAV SHAH, residing at 555 W. Middlefield Road, Apt. A301, Mountain View, CA 94043, WILLIAM DREWRY, residing at 4525 Avenue C. Austin, TX 78751, RANDALL SPANGLER, residing at 6262 Bothell Circle, San Jose, CA 95123, RYAN TABONE, residing at 1899 California Street, Apt. 1, San Francisco, CA 94109, SUMIT GWALANI, residing at 243 Buena Vista Avenue, Apt. 1314, Sunnyvale, CA 94086, and LUIGI SEMENZATO, residing at 5561 Bacon Road, Oakland, CA 94619, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled FIRMWARE VERIFIED BOOT;

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IN TESTIMONY WHEREOF, I have hereunto set my hand this	day of	, 2010
Gaurav Shah		·
IN TESTIMONY WHEREOF, I have hereunto set my hand this	day of	, 2010
William Drewry		***************************************

TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20	10.
Randall Spangler	
I TESTIMONY WHEREOF, I have hereunto set my band this 22-day of <u>07080%</u> , 20	ŧa
Ryan Pabone	10.
ortan smoths.	
TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20:	10.
Sumit Gwalani	
I TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20	10.
Luiai Canowato	

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Assignment Attorney Docket No.: 0058-111001

Page 2 of 3

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Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid

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including any and all further application papers, affidavits, assignments and other documents,

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relating to said improvements and the history thereof and will testify in all legal proceedings and

generally do all things which may be necessary or desirable more effectually to secure to and

vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said

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expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of ________, 2010.

Gauray Shah

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of , 2010.

William Drewry

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Randall Spangler	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Ryan Tabone	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of	, 2010.
Sumit Gwalani	
IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of 000000.	, 2010.
Luigi Semendato	

PATENT REEL: 036212 FRAME: 0246

RECORDED: 07/29/2013