505135022 10/10/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5181785

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY IMWALLE	04/30/2014
DAVID W. STIVER	04/30/2014
ANDREW J. SCHRAN	04/30/2014
THOMAS CHRIS NEWCOMB	04/30/2014

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:	15969942

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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: (908) 654-5000

Email: assignment@lernerdavid.com

Correspondent Name: LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

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Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	GOOGLE 3.0F-412 CIP CON
NAME OF SUBMITTER:	CINDY CORB
SIGNATURE:	/Cindy Corb/
DATE SIGNED:	10/10/2018

Total Attachments: 4

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PATENT REEL: 047123 FRAME: 0414

ASSIGNMENT OF PATENT APPLICATION

. Danimant Introvity Variford

Docket Number (Optional)

GOOGLE 3.0F-412 CIP (E)

WHEREAS, I, <u>Gregory Imwalle</u> of <u>Mountain View. California</u> , discoveries, the subject matter of which is described in the patent applit THERMAL CONTROL" (hereafter "Patent Application"),	have invented or discovered inventions or cation entitled *DYNAMIC SERVER-LEVEL
WHEREAS (if the left box is checked), the Patent Application Trademark Office on, Application Number	was filed with the U.S. Patent and, and
WHEREAS (if the left box is checked), the Patent Application Gregory Inwalle, David W. Stiver, Andrew J. Schran, and Thomas Chris David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets] the application number and filing date of the applic	Newcomb (and whereas I hereby authorize Lerner, [Application No, filed on
WHEREAS, <u>Google Inc.</u> , incorporated or otherwise formed in <u>Amphitheatre Parkway: Mountain View, California 94043</u> (hereafter, th acquired and is desirous of memorializing its acquisition further herein,	ne "assignee") is desirous of acquiring, or has
NCW, THEREFORE, for good and valuable consideration the as follows. I agree to assign, and hereby do assign, to the assignee m Assigned Applications in the United States of America and all other control Patent Application, including any and all inventions, discoveries and ot continuation, continuation-in-part, substitute, reissue, re-examination of Patent Application pursuant to any law or treaty, and any patent issuing do assign, to assignee the right to claim such priority or benefit. I have obligation to convey, my rights in the Assigned Applications to a third practice of the convey of the converted and the converted assigned prications and to record assignee's ownership thereof. At further remuneration, to execute and deliver documents prepared at assuch as testimony, as may be reasonably required to evidence or proteful assignee may assign or transfer all or part of its rights set forth herein affix its signature to this document as well as any other indicia of its acherein is unenforceable, the requirements of the provision shall remain offending portions thereof shall be deemed replaced, to the extent pospurpose of the offending provision.	y entire right, title and interest in and to the untries, where "Assigned Applications" means the her subject matter described therein, any divisional, r other application claiming priority or benefit to the g from the foregoing. I agree to assign, and hereby e not previously conveyed, nor am I aware of an early. I hereby authorize the U.S. Patent and issue to assignee all patents resulting from the assignee's reasonable request I agree, without signee's expense and to provide other cooperation, ect assignee's rights in the Assigned Applications. In its sole discretion. I agree that the assignee may ceptance of the provisions hereof. If any provision to the full extent permissible by law and the
Apr 30, 2014 <u>Gu</u>	mwalle (Apr 30, 2014) (Signature)
(Date)	mwalle (Apr 30, 2014) (Signature)

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ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

GOOGLE 3.0F-412 CIP

WHEREAD I B THE OF TOTAL OF THE	
WHEREAS, I, <u>David W. Stiver</u> of <u>Santa Clara</u> , <u>Ca</u> the subject matter of which is described in the patent applic CONTROL" (hereafter "Patent Application"),	alifornia, have invented or discovered inventions or discoveries, cation entitled "DYNAMIC SERVER-LEVEL THERMAL
WHEREAS (if the left box is checked), the Patent Trademark Office on, Application Number	t Application was filed with the U.S. Patent and per, and
X WHEREAS (if the left box is checked), the Patent Gregory Imwalle, David W. Stiver, Andrew J. Schran, and Tr David, Littenberg, Krumholz & Mentlik, LLP, to insert in here the application number and filing date	nomas Chris Newcomb (and whereas I hereby authorize Lerner, ein brackets [Application No, filed on
WHEREAS, <u>Google Inc.</u> , incorporated or otherwis <u>Amphitheatre Parkway; Mountain View, California 94043</u> (acquired and is desirous of memorializing its acquisition ful	se formed in <u>Delaware</u> and having a place of business at <u>1600</u> (hereafter, the "assignee") is desirous of acquiring, or has rther herein, the entire right, title and interest in same;
as follows. I agree to assign, and hereby do assign, to the Assigned Applications in the United States of America and Patent Application, including any and all inventions, discov continuation, continuation-in-part, substitute, reissue, re-ex Patent Application pursuant to any law or treaty, and any p do assign, to assignee the right to claim such priority or be obligation to convey, my rights in the Assigned Applications Trademark Office, and any other governmental agency in the Assigned Applications and to record assignee's ownership further remuneration, to execute and deliver documents produced as testimony, as may be reasonably required to evide.	all other countries, where 'Assigned Applications' means the veries and other subject matter described therein, any divisional, kamination or other application claiming priority or benefit to the patent issuing from the foregoing. I agree to assign, and hereby mefit. I have not previously conveyed, nor am I aware of an s to a third party. I hereby authorize the U.S. Patent and the world, to issue to assignee all patents resulting from the thereof. At assignee's reasonable request I agree, without epared at assignee's expense and to provide other cooperation, ence or protect assignee's rights in the Assigned Applications. forth herein in its sole discretion. I agree that the assignee may licia of its acceptance of the provisions hereof. If any provision shall remain to the full extent permissible by law and the
purpose of the offending provision.	z exterit possible, with a provision most closely reflecting the
purpose of the offending provision.	e extent possible, with a provision most closely relieving the
purpose of the offending provision. Apr 30, 2014	David Stiver (Apr 30, 2014) (Signature)
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PATENT FOREEL: 047123 FRAME: 0416

	Docket Number (Optional)	
ASSIGNMENT OF PATENT APPLICATION	GOOGLE 3.0F-412 CIP	
WHEREAS, I, <u>Andrew J. Schran</u> of <u>San Francisco</u> , <u>California</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "DYNAMIC SERVER-LEVEL THERMAL CONTROL" (hereafter "Patent Application"),		
WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on, Application Number, and		
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Gregory Imwalle, David W. Stiver, Andrew J. Schran, and Thomas Chris Newcomb (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No, filed on] the application number and filing date of the application when known), and		
WHEREAS, <u>Google Inc.</u> , incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphitheatre Parkway; Mountain View, California 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;		
NOW, THEREFORE, for good and valuable consideration the reas follows. I agree to assign, and hereby do assign, to the assignee my eassigned Applications in the United States of America and all other countered the Application, including any and all inventions, discoveries and other continuation, continuation-in-part, substitute, reissue, re-examination or or Patent Application pursuant to any law or treaty, and any patent issuing from the assign, to assignee the right to claim such priority or benefit. I have not obligation to convey, my rights in the Assigned Applications to a third part Trademark Office, and any other governmental agency in the world, to issue Assigned Applications and to record assignee's ownership thereof. At assigner transfer all or part of its rights set forth herein in affix its signature to this document as well as any other indicia of its accepterein is unenforceable, the requirements of the provision shall remain to offending portions thereof shall be deemed replaced, to the extent possib purpose of the offending provision.	entire right, title and interest in and to the ries, where "Assigned Applications" means the subject matter described therein, any divisional, ther application claiming priority or benefit to the foregoing. I agree to assign, and hereby of previously conveyed, nor am I aware of an any. I hereby authorize the U.S. Patent and sue to assignee all patents resulting from the signee's reasonable request I agree, without gnee's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Its sole discretion. I agree that the assignee may prance of the provisions hereof. If any provision the full extent permissible by law and the	
Aug 20, 2014		
Apr 30, 2014 (Date) Andrew Sch	ran (Api 30, 2014) (Signature)	

ASSIGNMENT OF PATENT APPLICATION

RECORDED: 10/10/2018

Docket Number (Optional)

GOOGLE 3.0F-412 CIP

	GOOGLE 3.01 -412 OII
WHEREAS, I, <u>Thomas Chris Newcomb</u> of <u>Soquel, California</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "DYNAMIC SERVER-LEVEL THERMAL CONTROL" (hereafter "Patent Application"),	
WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on, Application Number, and	
WHEREAS (if the left box is checked), the Patent Application na Gregory Imwalle, David W. Stiver, Andrew J. Schran, and Thomas Chris Ne David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [A] the application number and filing date of the application	ewcomb (and whereas I hereby authorize Lerner, pplication No.
WHEREAS, <u>Google Inc.</u> , incorporated or otherwise formed in <u>D</u> <u>Amphitheatre Parkway; Mountain View, California 94043</u> (hereafter, the " acquired and is desirous of memorializing its acquisition further herein, th	'assignee") is desirous of acquiring, or has
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.	
Apr 30, 2014	Chan't and
(Date) Thomas Chr	ls Newcomb (Apr (Signature)

PATENT REEL: 047123 FRAME: 0418