506390745 12/08/2020

EPAS ID: PAT6437501

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VYTAUTAS VALANCIUS	12/07/2020
RICH LANE	12/02/2020
BAILEY FORREST	12/02/2020
CHONGGANG LI	12/02/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17114694

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

Address Line 1: 20 COMMERCE DR.

Address Line 4: CRANFORD, NEW JERSEY 07016

ATTORNEY DOCKET NUMBER:	GOOGLE 3.0F-3187	
NAME OF SUBMITTER:	CINDY CORB	
SIGNATURE:	/Cindy Corb/	
DATE SIGNED:	12/08/2020	

Total Attachments: 4

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PATENT 506390745 REEL: 054576 FRAME: 0444

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PATENT REEL: 054576 FRAME: 0445

Docket Number (Optional)

ASSIGNMENT OF FATENT AFFEIGATION	GOOGLE 3.0F-3187	
WHEREAS, I, <u>Vytautas Valancius</u> of <u>Redwood City, California</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "TRAFFIC SHAPING OFFLOAD ON A NETWORK INTERFACE CONTROLLER" (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		
X WHEREAS (if the left box is checked), the Patent Application na Vytautas Valancius, Rich Lane, Bailey Forrest, and Chonggang Li (and whe Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 17/the application number and filing date of the application when known), and	reas I hereby authorize Lerner, David, Littenberg,	
WHEREAS, <u>Google LLC</u> , incorporated or otherwise formed in <u>Dealer Amphitheatre Parkway; Mountain View, CA 94043</u> (hereafter, the "assigne is desirous of memorializing its acquisition further herein, the entire right, t	e") is desirous of acquiring, or has acquired and	
NOW, THEREFORE, for good and valuable consideration the reas follows. I agree to assign, and hereby do assign, to the assignee my exassigned Applications in the United States of America and all other country Patent Application, including any and all inventions, discoveries and other continuation, continuation-in-part, substitute, reissue, re-examination or other that the part of the part of the sassign of the provision pursuant to any law or treaty, and any patent issuing from the convey, my rights in the Assigned Applications to a third party that the party trademark Office, and any other governmental agency in the world, to issue the sassigned Applications and to record assignee's ownership thereof. At assigned Applications, to execute and deliver documents prepared at assigned as testimony, as may be reasonably required to evidence or protect a Assignee may assign or transfer all or part of its rights set forth herein in it affix its signature to this document as well as any other indicia of its acception is unenforceable, the requirements of the provision shall remain to offending portions thereof shall be deemed replaced, to the extent possible purpose of the offending provision.	ntire right, title and interest in and to the ies, where "Assigned Applications" means the subject matter described therein, any divisional, her application claiming priority or benefit to the om the foregoing. I agree to assign, and hereby the previously conveyed, nor am I aware of an v. I hereby authorize the U.S. Patent and use to assignee all patents resulting from the lignee's reasonable request I agree, without nee's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Is sole discretion. I agree that the assignee may tance of the provisions hereof. If any provision the full extent permissible by law and the	
12/7/2020	s Las	
(Date)	(Signature)	

Docket Number (Optional)

	GOOGLE 3.0F-3187
	rnia, have invented or discovered inventions or discoveries, the nentitled "TRAFFIC SHAPING OFFLOAD ON A NETWORK"),
WHEREAS (if the left box is checked), the Patent of Trademark Office on, Application Number	
WHEREAS (if the left box is checked), the Patent Vytautas Valancius, Rich Lane, Bailey Forrest, and Chonggar Krumholz & Mentlik, LLP, to insert in here in brackets [Application number and filing date of the application when	$\frac{\log L}{\log 1}$ (and whereas I hereby authorize Lerner, David, Littenberg, ation No. $\frac{17/114,694}{\log 100}$, filed on $\frac{\log C}{\log 100}$
	be formed in <u>Delaware</u> and having a place of business at <u>1600</u> r, the "assignee") is desirous of acquiring, or has acquired and be entire right, title and interest in same;
as follows. I agree to assign, and hereby do assign, to the a Assigned Applications in the United States of America and a Patent Application, including any and all inventions, discove continuation, continuation-in-part, substitute, reissue, re-exa Patent Application pursuant to any law or treaty, and any pa do assign, to assignee the right to claim such priority or beneobligation 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 the further remuneration, to execute and deliver documents presuch as testimony, as may be reasonably required to evider Assignee may assign or transfer all or part of its rights set for	all other countries, where "Assigned Applications" means the ries and other subject matter described therein, any divisional, unination or other application claiming priority or benefit to the tent issuing from the foregoing. I agree to assign, and hereby efft. I have not previously conveyed, nor am I aware of an to a third party. I hereby authorize the U.S. Patent and e world, to issue to assignee all patents resulting from the hereof. At assignee's reasonable request I agree, without pared at assignee's expense and to provide other cooperation, noe or protect assignee's rights in the Assigned Applications. Of the herein in its sole discretion. I agree that the assignee may the of its acceptance of the provisions hereof. If any provision half remain to the full extent permissible by law and the
12/2/2020	D2
(Date)	(Signature)

Docket Number (Optional)

ACCIONINENT OF TAXABLE TAXABLE	GOOGLE 3.0F-3187
WHEREAS, I, <u>Bailey Forrest</u> of <u>Sunnyvale, California</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "TRAFFIC SHAPING OFFLOAD ON A NETWORK INTERFACE CONTROLLER" (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	
X WHEREAS (if the left box is checked), the Patent Application na Vytautas Valancius, Rich Lane, Bailey Forrest, and Chonggang Li (and whe Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 17/the application number and filing date of the application when known), and	ereas I hereby authorize Lerner, David, Littenberg,
WHEREAS, <u>Google LLC</u> , incorporated or otherwise formed in <u>Dialectory</u> Amphitheatre <u>Parkway</u> ; <u>Mountain View</u> , <u>CA 94043</u> (hereafter, the "assigne is desirous of memorializing its acquisition further herein, the entire right, the control of the	ee") is desirous of acquiring, or has acquired and
NOW, THEREFORE, for good and valuable consideration the reas follows. I agree to assign, and hereby do assign, to the assignee my e Assigned Applications in the United States of America and all other countres Patent Application, including any and all inventions, discoveries and other continuation, continuation-in-part, substitute, reissue, re-examination or ot Patent Application pursuant to any law or treaty, and any patent issuing from the assignee the right to claim such priority or benefit. I have no obligation to convey, my rights in the Assigned Applications to a third party. Trademark Office, and any other governmental agency in the world, to iss Assigned Applications and to record assignee's ownership thereof. At assignither remuneration, to execute and deliver documents prepared at assign such as testimony, as may be reasonably required to evidence or protect and Assignee may assign or transfer all or part of its rights set forth herein in it affix its signature to this document as well as any other indicia of its acceptance in sunenforceable, the requirements of the provision shall remain to offending portions thereof shall be deemed replaced, to the extent possible purpose of the offending provision.	ntire 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 om the foregoing. I agree to assign, and hereby at previously conveyed, nor am I aware of an y. I hereby authorize the U.S. Patent and ue to assignee all patents resulting from the signee's reasonable request I agree, without mee's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Its sole discretion. I agree that the assignee may ottance of the provisions hereof. If any provision the full extent permissible by law and the e, with a provision most closely reflecting the
12/2/2020	usigned by: Som My
(Date)	ecane ।र्म्ययम् (Signature)

Docket Number (Optional)

	GOOGLE 3.0F-3187	
WHEREAS, I, <u>Chonggang Li</u> of <u>San Jose, California</u> have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "TRAFFIC SHAPING OFFLOAD ON A NETWORK INTERFACE CONTROLLER" (hereafter "Patent Application"),		
WHEREAS (if the left box is checked), the Patr Trademark Office on, Application Nu:	ent Application was filed with the U.S. Patent and imber, and	
X WHEREAS (if the left box is checked), the Pate Vytautas Valancius, Rich Lane, Bailey Forrest, and Chong Krumholz & Mentlik, LLP, to insert in here in brackets [Ap the application number and filing date of the application w	ggang Li (and whereas I hereby authorize Lemer, David, Littenberg, pplication No. 17/114, 694 , filed on Dec. 8, 2020]	
	erwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> cafter, the "assignee") is desirous of acquiring, or has acquired and n, 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 at Patent Application, including any and all inventions, discontinuation, continuation-in-part, substitute, reissue, re-Patent Application pursuant to any law or treaty, and any do assign, to assignee the right to claim such priority or obligation to convey, my rights in the Assigned Application Trademark Office, and any other governmental agency is Assigned Applications and to record assignee's ownersh further remuneration, to execute and deliver documents such as testimony, as may be reasonably required to evansignee may assign or transfer all or part of its rights of affix its signature to this document as well as any other is herein is unenforceable, the requirements of the provision	consideration the receipt of which is hereby acknowledged, I agree the assignee my entire right, title and interest in and to the and all other countries, where "Assigned Applications" means the coveries and other subject matter described therein, any divisional, examination or other application claiming priority or benefit to the y patent issuing from the foregoing. I agree to assign, and hereby benefit. I have not previously conveyed, nor am I aware of an ons to a third party. I hereby authorize the U.S. Patent and in the world, to issue to assignee all patents resulting from the nip thereof. At assignee's reasonable request I agree, without prepared at assignee's expense and to provide other cooperation, ridence or protect assignee's rights in the Assigned Applications. Let forth herein in its sole discretion. I agree that the assignee may indicia of its acceptance of the provisions hereof. If any provision on shall remain to the full extent permissible by law and the the extent possible, with a provision most closely reflecting the	
12/2/2020	Docusigned by:	
(Date)	Changgarg L. 476A38C899SF4AD. (Signature)	

PATENT REEL: 054576 FRAME: 0449

RECORDED: 12/08/2020