505640013 08/26/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUMIT AGARWAL	11/16/2010
VIC GUNDOTRA	08/16/2010
ALEX NICOLAOU	08/11/2010

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:	16523389

CORRESPONDENCE DATA

Fax Number: (502)588-1982

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: 502-584-1135

Email: Imiller@middletonlaw.com MIDDLETON REUTLINGER **Correspondent Name:**

Address Line 1: 401 S. 4TH STREET

Address Line 2: **SUITE 2600**

Address Line 4: LOUISVILLE, KENTUCKY 40202

ATTORNEY DOCKET NUMBER:	ZS202-18505 (1)	
NAME OF SUBMITTER:	SCOTT W. HIGDON	
SIGNATURE:	/Scott W. Higdon/	
DATE SIGNED:	08/26/2019	

Total Attachments: 9

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> **PATENT REEL: 050169 FRAME: 0455** 505640013



PATENT REEL: 050169 FRAME: 0456

ASSIGNMENT

For valuable consideration, we, <u>SUMIT AGARWAL</u> of <u>811 4th Street NW, Unit 1204</u>, <u>Washington, D.C. 20001</u>, <u>VIC GUNDOTRA</u> of <u>282 Shannon Oaks Lane, Los Gatos, CA 95032</u>, <u>ALEX NICOLAOU</u> of <u>340 Amberwood Drive</u>, <u>Waterloo</u>, <u>Ontario</u>, <u>Canada N2L 1S7</u>, hereby assign to:

Google Inc., a corporation of Delaware having a place of business at: 1600 Amphitheatre Parkway
Mountain View, California 94043; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PROVIDING RESULTS TO PARAMETERLESS SEARCH QUERIES, filed August 30, 2010 , and assigned U.S. Serial Number 12/871,562 _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

	SUMIT AGARWAL
Witnessed by:	
Ann dunlon Signature	Date: Nov. 16 2010
Ann Quinlan Typed or Printed Name	
8519 wheatfield way Ellicott City MD 21043 Witness Address	
	VIC GUNDOTRA
Witnessed by:	
Signature	Date:
Typed or Printed Name	
Witness Address	

	ALEX NICOLAOU	
inessed by:		
Signature	Date:	
Typed or Printed Name		
Witness Address		

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ASSIGNMENT

For valuable consideration, we, <u>SUMIT AGARWAL</u> of <u>811 4th Street NW</u>, <u>Unit 1204</u>, <u>Washington</u>, <u>D.C. 20001</u>, <u>VIC GUNDOTRA</u> of <u>282 Shannon Oaks Lane</u>, <u>Los Gatos</u>, <u>CA 95032</u>, <u>ALEX NICOLAOU</u> of <u>340 Amberwood Drive</u>, <u>Waterloo</u>, <u>Ontario</u>, <u>Canada N2L 1S7</u>, hereby assign to:

Google Inc., a corporation of Delaware having a place of business at: 1600 Amphitheatre Parkway
Mountain View, California 94043; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PROVIDING RESULTS TO PARAMETERLESS SEARCH QUERIES, filed August 30, 2010 , and assigned U.S. Serial Number 12/871,562 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

	SUMIT AGARWAL
Witnessed by;	
Signature	Date:
Typed or Printed Name	
Witness Address	
	119
	VIC GUNDOTBA
Witnessed by:	Landing Control of the Control of th
Eun Pahnas Subeda Signature	Date: 8 - 16 - 16
ERMIC RAHMAN - SUBLINA Typed or Printed Name	K.
4525 NILAND ST.	
UNION CITY CA 94587	

	ALEX NICOLAOU
ssed by:	
Signature	Date:
organic	
Typed or Printed Name	
Witness Address	

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ASSIGNMENT

For valuable consideration, we, <u>SUMIT AGARWAL</u> of <u>811 4th Street NW</u>, <u>Unit 1204</u>, <u>Washington</u>, <u>D.C. 20001</u>, <u>VIC GUNDOTRA</u> of <u>282 Shannon Oaks Lane</u>, <u>Los Gatos</u>, <u>CA 95032</u>, <u>ALEX NICOLAOU</u> of <u>340 Amberwood Drive</u>, <u>Waterloo</u>, <u>Ontario</u>, <u>Canada N2L 1S7</u>, hereby assign to:

Google Inc., a corporation of Delaware having a place of business at: 1600 Amphitheatre Parkway
Mountain View, California 94043; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PROVIDING RESULTS TO August 30, 2010 PARAMETERLESS SEARCH QUERIES, filed , and assigned U.S. Serial Number 12/871,562 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

	SUMIT AGARWAL
Witnessed by:	
	Date:
Signature	
Typed or Printed Name	
Witness Address	
	VIC GUNDOTRA
Witnessed by:	
Signature	Date:
Signature	
Typed or Printed Name	
Witness Address	

ALEX NICOLAOU

Witnessed by:

Date: // August 2810
Signature

Dorothy Skonjecska
Typed or Printed Name

525 Thornview Place Woterloo, ON, NZT 2V9 Witness Address

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