

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5419604

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	CHANGE OF NAME	
CONVEYING PARTY DATA		
	Name	Execution Date
	GOOGLE INC.	09/29/2017
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:	16272819
CORRESPONDENCE DATA		
Fax Number:	(877)769-7945	
<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>		
Phone:	+1 (650) 839-5124	
Email:	apsi@fr.com, lswanson@fr.com	
Correspondent Name:	ALEXANDER D. GANESCU	
Address Line 1:	FISH & RICHARDSON P.C.	
Address Line 2:	P.O.BOX 1022	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022	
ATTORNEY DOCKET NUMBER:	16113-8211003	
NAME OF SUBMITTER:	LISA SWANSON	
SIGNATURE:	/Lisa Swanson/	
DATE SIGNED:	03/13/2019	
Total Attachments: 58		
source=Google_Inc_to_Google_LLC#page1.tif		
source=Google_Inc_to_Google_LLC#page2.tif		
source=Google_Inc_to_Google_LLC#page3.tif		
source=Google_Inc_to_Google_LLC#page4.tif		
source=Google_Inc_to_Google_LLC#page5.tif		

source=Google_Inc_to_Google_LLC#page6.tif
source=Google_Inc_to_Google_LLC#page7.tif
source=Google_Inc_to_Google_LLC#page8.tif
source=Google_Inc_to_Google_LLC#page9.tif
source=Google_Inc_to_Google_LLC#page10.tif
source=Google_Inc_to_Google_LLC#page11.tif
source=Google_Inc_to_Google_LLC#page12.tif
source=Google_Inc_to_Google_LLC#page13.tif
source=Google_Inc_to_Google_LLC#page14.tif
source=Google_Inc_to_Google_LLC#page15.tif
source=Google_Inc_to_Google_LLC#page16.tif
source=Google_Inc_to_Google_LLC#page17.tif
source=Google_Inc_to_Google_LLC#page18.tif
source=Google_Inc_to_Google_LLC#page19.tif
source=Google_Inc_to_Google_LLC#page20.tif
source=Google_Inc_to_Google_LLC#page21.tif
source=Google_Inc_to_Google_LLC#page22.tif
source=Google_Inc_to_Google_LLC#page23.tif
source=Google_Inc_to_Google_LLC#page24.tif
source=Google_Inc_to_Google_LLC#page25.tif
source=Google_Inc_to_Google_LLC#page26.tif
source=Google_Inc_to_Google_LLC#page27.tif
source=Google_Inc_to_Google_LLC#page28.tif
source=Google_Inc_to_Google_LLC#page29.tif
source=Google_Inc_to_Google_LLC#page30.tif
source=Google_Inc_to_Google_LLC#page31.tif
source=Google_Inc_to_Google_LLC#page32.tif
source=Google_Inc_to_Google_LLC#page33.tif
source=Google_Inc_to_Google_LLC#page34.tif
source=Google_Inc_to_Google_LLC#page35.tif
source=Google_Inc_to_Google_LLC#page36.tif
source=Google_Inc_to_Google_LLC#page37.tif
source=Google_Inc_to_Google_LLC#page38.tif
source=Google_Inc_to_Google_LLC#page39.tif
source=Google_Inc_to_Google_LLC#page40.tif
source=Google_Inc_to_Google_LLC#page41.tif
source=Google_Inc_to_Google_LLC#page42.tif
source=Google_Inc_to_Google_LLC#page43.tif
source=Google_Inc_to_Google_LLC#page44.tif
source=Google_Inc_to_Google_LLC#page45.tif
source=Google_Inc_to_Google_LLC#page46.tif
source=Google_Inc_to_Google_LLC#page47.tif
source=Google_Inc_to_Google_LLC#page48.tif
source=Google_Inc_to_Google_LLC#page49.tif
source=Google_Inc_to_Google_LLC#page50.tif
source=Google_Inc_to_Google_LLC#page51.tif
source=Google_Inc_to_Google_LLC#page52.tif
source=Google_Inc_to_Google_LLC#page53.tif

source=Google_Inc_to_Google_LLC#page54.tif
source=Google_Inc_to_Google_LLC#page55.tif
source=Google_Inc_to_Google_LLC#page56.tif
source=Google_Inc_to_Google_LLC#page57.tif
source=Google_Inc_to_Google_LLC#page58.tif

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "GOOGLE INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "GOOGLE INC." TO "GOOGLE LLC", FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF SEPTEMBER, A.D. 2017, AT 12:42 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTIETH DAY OF SEPTEMBER, A.D. 2017 AT 11:59 O'CLOCK P.M.



A handwritten signature in black ink, appearing to read "JBULLOCK", written over a horizontal line. Below the line, the text "JEFFREY W. BULLOCK, Secretary of State" is printed in small letters.

3582691 8100V
SR# 20176403570

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203316782
Date: 09-29-17

PATENT
REEL: 048584 FRAME: 0590

CERTIFICATE OF CONVERSION
OF
GOOGLE INC.
(a Delaware corporation)
TO
GOOGLE LLC
(a Delaware limited liability company)

State of Delaware
Secretary of State
Division of Corporations
Delivered 12:42 PM 09/29/2017
FILED 12:42 PM 09/29/2017
SR 20176403570 - File Number 3582691

This Certificate of Conversion is being filed in accordance with the provisions of 6 Del. C. § 18-214 to convert Google Inc., a Delaware corporation (the "**Corporation**"), to Google LLC, a Delaware limited liability company, and the undersigned does hereby certify as follows:

1. The jurisdiction where the Corporation was first incorporated is the State of Delaware.
2. The Corporation was first incorporated in the State of Delaware on October 22, 2002.
3. The name of the Corporation immediately prior to the filing of this Certificate of Conversion was Google Inc.
4. The name of the limited liability company as set forth in the attached Certificate of Formation is Google LLC.
5. The effective time of the conversion of the Corporation into a Delaware limited liability company pursuant to and in accordance with Section 266 of the General Corporation Law of the State of Delaware and Section 18-214 of the Delaware Limited Liability Company Act is 11:59 PM EDT on September 30, 2017 (the "**Effective Time**").

IN WITNESS WHEREOF, the undersigned, as an authorized officer, has executed this Certificate of Conversion.

GOOGLE INC.

By: /s/ Kenneth H. Yi
Name: Kenneth H. Yi
Title: Assistant Secretary

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND
CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "GOOGLE LLC"
FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF SEPTEMBER,
A.D. 2017, AT 12:42 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE
OF THE AFORESAID CERTIFICATE OF FORMATION IS THE THIRTIETH DAY
OF SEPTEMBER, A.D. 2017 AT 11:59 O'CLOCK P.M.



A handwritten signature in black ink, appearing to read "JBULLOCK", written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

3582691 8100V
SR# 20176403570

Authentication: 203316782
Date: 09-29-17

You may verify this certificate online at corp.delaware.gov/authver.shtml

PATENT
REEL: 048584 FRAME: 0598

CERTIFICATE OF FORMATION

OF

GOOGLE LLC

The undersigned, desiring to form a limited liability company pursuant to the Delaware Limited Liability Company Act, 6 Delaware Code, Chapter 18, does hereby certify as follows:

- I. The name of the limited liability company is Google LLC (the "**Company**").
- II. The address of its registered office in the State of Delaware is 251 Little Falls Drive, Wilmington, County of New Castle, Delaware 19808. The name of the registered agent at such address is Corporation Service Company.
- III. The effective time of the formation of the Company into a Delaware limited liability company pursuant to and in accordance with Section 266 of the General Corporation Law of the State of Delaware and Section 18-214 of the Delaware Limited Liability Company Act is 11:59 PM EDT on September 30, 2017 (the "**Effective Time**").

IN WITNESS WHEREOF, the undersigned, as an authorized person, has executed this Certificate of Formation of Google LLC.

By: /s/ Kenneth H. Yi

Name: Kenneth H. Yi

Title: Authorized Person

State of Delaware
Secretary of State
Division of Corporations
Delivered 12:42 PM 09/29/2017
FILED 12:42 PM 09/29/2017

SR 20176403570 - File Number 3582691

RECORDED: 00/02/2019

PATENT
REEL: 048584 FRAME: 0593