

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5125679

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Franz Josef Och	04/01/2008
Jeffrey Adgate Dean	04/02/2008
Thorsten Brants	04/01/2008
Alexander Mark Franz	04/04/2008
Jay M. Ponte	04/01/2008
Peng Xu	04/01/2008
Sha-Mayn Teh	04/08/2008
Jeffrey Chin	04/03/2008
Ignacio E. Thayer	04/04/2008
Anton Carver	04/03/2008
Daniel Rosart	04/01/2008
John S. Hawkins	04/02/2008
Karel Driesen	04/01/2008

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16116833

**CORRESPONDENCE DATA**

Fax Number: (877)769-7945

*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: +1 (650) 839-5042

Email: apsi@fr.com, lswanson@fr.com

Correspondent Name: KYLE R. WILLIAMS

Address Line 1: FISH &amp; RICHARDSON P.C.

**PATENT**

**Address Line 2:** P.O.BOX 1022  
**Address Line 4:** MINNEAPOLIS, MINNESOTA 55440-1022

**ATTORNEY DOCKET NUMBER:** 16113-0097005

**NAME OF SUBMITTER:** LISA SWANSON

**SIGNATURE:** /Lisa Swanson/

**DATE SIGNED:** 09/05/2018

**Total Attachments: 14**

source=GP-791-00-US Assignment 16113-0097005#page1.tif  
source=GP-791-00-US Assignment 16113-0097005#page2.tif  
source=GP-791-00-US Assignment 16113-0097005#page3.tif  
source=GP-791-00-US Assignment 16113-0097005#page4.tif  
source=GP-791-00-US Assignment 16113-0097005#page5.tif  
source=GP-791-00-US Assignment 16113-0097005#page6.tif  
source=GP-791-00-US Assignment 16113-0097005#page7.tif  
source=GP-791-00-US Assignment 16113-0097005#page8.tif  
source=GP-791-00-US Assignment 16113-0097005#page9.tif  
source=GP-791-00-US Assignment 16113-0097005#page10.tif  
source=GP-791-00-US Assignment 16113-0097005#page11.tif  
source=GP-791-00-US Assignment 16113-0097005#page12.tif  
source=GP-791-00-US Assignment 16113-0097005#page13.tif  
source=GP-791-00-US Assignment 16113-0097005#page14.tif

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Franz Josef Och	04/01/2008
Jeffrey Dean	04/02/2008
Thorsten Brants	04/01/2008
Alexander Mark Franz	04/04/2008
Jay Ponte	04/01/2008
Peng Xu	04/01/2008
Sha-Mayn Teh	04/08/2008
Jeffrey Chin	04/03/2008
Ignacio E. Thayer	04/04/2008
Anton Carver	04/03/2008
Daniel Rosart	04/01/2008
John S. Hawkins	04/02/2008
Karel Driesen	04/01/2008

**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:	12092820

**CORRESPONDENCE DATA**

Fax Number: (877)769-7945  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: (858) 678-5070

CH \$40.00 12092820

Email: kzf@fr.com  
Correspondent Name: Bing Ai  
Address Line 1: FISH & RICHARDSON P.C.  
Address Line 2: P.O.BOX 1022  
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	16113-0097US1
-------------------------	---------------

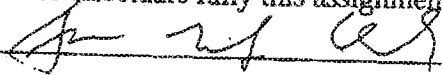
NAME OF SUBMITTER:	Kelly M. Smith
--------------------	----------------

Total Attachments: 12  
source=16113-0097US1Assignment#page1.tif  
source=16113-0097US1Assignment#page2.tif  
source=16113-0097US1Assignment#page3.tif  
source=16113-0097US1Assignment#page4.tif  
source=16113-0097US1Assignment#page5.tif  
source=16113-0097US1Assignment#page6.tif  
source=16113-0097US1Assignment#page7.tif  
source=16113-0097US1Assignment#page8.tif  
source=16113-0097US1Assignment#page9.tif  
source=16113-0097US1Assignment#page10.tif  
source=16113-0097US1Assignment#page11.tif  
source=16113-0097US1Assignment#page12.tif


ASSIGNMENT

For valuable consideration, we, FRANZ JOSEF OCH of 4228 Wilkie Way, Palo Alto, CA 94306, JEFFREY DEAN of 3179 Stockton Place, Palo Alto, California 94303, THORSTEN BRANTS of 3752 Ross Road, Palo Alto, California 94303, ALEXANDER MARK FRANZ of 355 Scale Avenue, Palo Alto, California 94301, JAY PONTE of 2439 Marjorie Ct., Mountain View, CA, 94043, PENG XU of 371 Elan Village Lane, #204, San Jose, CA 95134, SHA-MAYN of 1037 Yateo Way, San Mateo, CA 94403, TEH of 28 Guv. Place Apt. 306, San Francisco, CA 94105, JEFFREY CHIN of 53 Wilder Street, #406, San Francisco, CA 94131, IGNACIO E. THAYER of 3600 Fillmore Street #306, San Francisco, CA 94123, ANTON CARVER of Flat 2, Areyll House, All Saints Passage, Wandsworth, London SW18 1EP, United Kingdom, DANIEL ROSART of 2326 California Street Apt. 6, Mountain View, CA 94040, JOHN S. HAWKINS of 3375 17th Street #206, San Francisco, CA 94110, KAREL DRIESEN of 2005 California Street #40, Mountain View, CA 94040, 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 ENCODING AND ADAPTIVE SCALABLE ACCESSING OF DISTRIBUTED MODELS, filed May 6, 2008, and assigned U.S. Serial Number 12/092,820, 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.

  
FRANZ JOSEF OCH

Witnessed by:

  
Signature

Date: 4/1/2008

Joshua Estelle  
Typed or Printed Name

760 14th St Apt 5  
San Francisco, CA 94114  
Witness Address

\_\_\_\_\_  
JEFFREY DEAN

Witnessed by:

\_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address

and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

\_\_\_\_\_  
FRANZ JOSEF OCH

Witnessed by:

\_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address

  
\_\_\_\_\_  
JEFFREY DEAN

Witnessed by:

  
\_\_\_\_\_  
Signature

Date: April 2, 2008

SANJAY GHEMAWAT

Typed or Printed Name

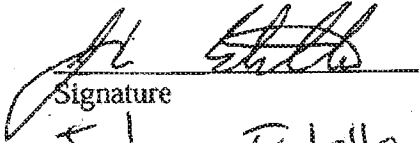
1067 MERCY ST  
MOUNTAIN VIEW, CA 94041

Witness Address



THORSTEN BRANTS

Witnessed by:



Signature

Joshua Estelle

Typed or Printed Name

760 14th Ave Apt 5  
San Francisco, CA 94114

Witness Address

Date: 4/1/2008

\_\_\_\_\_  
ALEXANDER MARK FRANZ

Witnessed by:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address

Date: \_\_\_\_\_



\_\_\_\_\_  
THORSTEN BRANTS

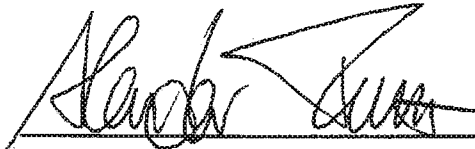
Witnessed by:

\_\_\_\_\_  
Signature

Date: \_\_\_\_\_

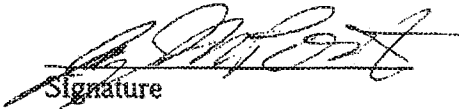
\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address



ALEXANDER MARK FRANZ

Witnessed by:

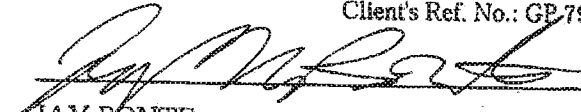


Signature

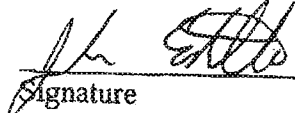
Date: 4/4/08

Jay M. Borte  
Typed or Printed Name

2439 Mariposa Ct.  
Mountain View CA 94043  
Witness Address

  
\_\_\_\_\_  
JAY PONTE


Witnessed by:

  
\_\_\_\_\_  
Signature

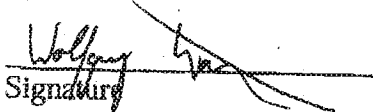
Date: 4/1/2009

Joshua Estelle  
\_\_\_\_\_  
Typed or Printed Name

760 14th St Apt 5  
San Francisco, CA 94114  
\_\_\_\_\_  
Witness Address

  
\_\_\_\_\_  
PENG XU

Witnessed by:

  
\_\_\_\_\_  
Signature

Date: April 1st, 2008

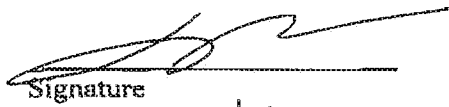
Wolfgang Macherey  
\_\_\_\_\_  
Typed or Printed Name

2400 W El Camino Real  
Mountain View, CA 94040  
\_\_\_\_\_  
Witness Address



SHA-MAYN TEH

Witnessed by:



Signature

Date: 4/8/2008

Jun Liu

Typed or Printed Name

14700 NE 16th St.

Bellevue, WA 98007

Witness Address

JEFFREY CHIN

Witnessed by:

Signature

Date: \_\_\_\_\_

Typed or Printed Name

Witness Address

\_\_\_\_\_  
SHA-MAYN TEH

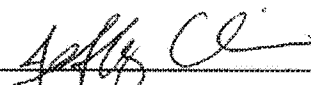
Witnessed by:

\_\_\_\_\_  
Signature

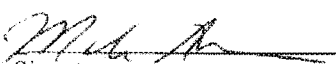
Date: \_\_\_\_\_

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address

  
\_\_\_\_\_  
JEFFREY CHIN

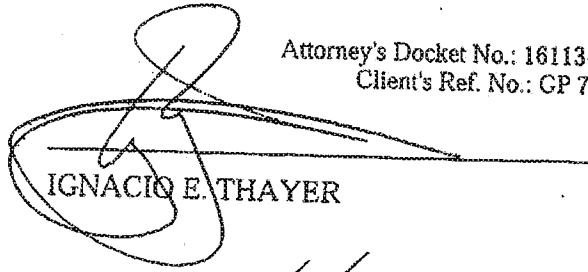
Witnessed by:

  
Signature

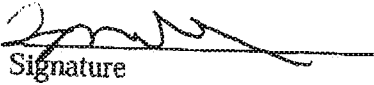
Date: 4/3/2008

Maki Arakawa  
Typed or Printed Name

120mi Garden Residence #1408  
1-5-3 Roppongi, Minato-ku, TOKYO 106-0032  
Witness Address Japan

  
IGNACIO E. THAYER

Witnessed by:

  
Signature

Date: 4/4/08

Aparva Shah  
Typed or Printed Name

269 Hickory Street  
San Francisco, CA 94102  
Witness Address

\_\_\_\_\_  
ANTON CARVER

Witnessed by:

\_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address

\_\_\_\_\_  
IGNACIO E. THAYER

Witnessed by:

\_\_\_\_\_  
Signature

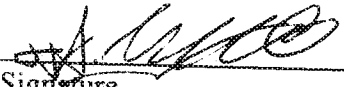
Date: \_\_\_\_\_

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address

  
\_\_\_\_\_  
ANTON CARVER

Witnessed by:

  
\_\_\_\_\_  
Signature


Date: 4/3/2008

\_\_\_\_\_  
Typed or Printed Name

AL LUTIER  
\_\_\_\_\_

\_\_\_\_\_  
Witness Address

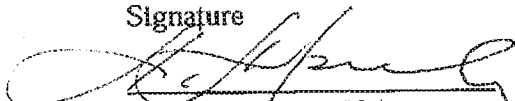
10 DEVON COURT  
LINKS ROAD  
WACTON  
CONDON  
W3 OEH

  
\_\_\_\_\_  
DANIEL ROSART

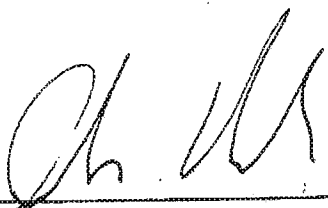
Witnessed by:

ANTON ANDRYEYEV  
Signature

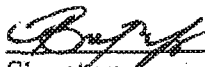
Date: April 1<sup>st</sup>, 2008

  
\_\_\_\_\_  
Typed or Printed Name

23777 East Clife Dr #4  
Santa Cruz, CA 95062  
Witness Address

  
\_\_\_\_\_  
JOHN S. HAWKINS

Witnessed by:


  
\_\_\_\_\_  
Signature

Date: April 2<sup>nd</sup> 2008

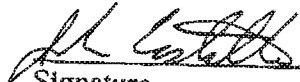
Brian Thomas  
\_\_\_\_\_  
Typed or Printed Name

5376 Ardmore Way  
San Jose CA 95128  
Witness Address

Attorney's Docket No.: 16113-0097US1  
Client's Ref. No.: GP 791-00-US

  
KAREL DRIESEN

Witnessed by:

  
Signature

Date: APRIL 1, 2008

Joshua Estelle  
Typed or Printed Name

760 14th St Apt 5  
San Francisco, CA 94114  
Witness Address

.10823506.doc