

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3289876

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QIXING HUANG	03/28/2012
MEI HAN	03/21/2012
BO WU	03/21/2012
SERGEY IOFFE	03/21/2012
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:	14671445
CORRESPONDENCE DATA	
Fax Number:	(908)654-7866
<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:	(908) 518-6385
Email:	Assignment@ldlkm.com
Correspondent Name:	LDLK&M
Address Line 1:	600 SOUTH AVENUE WEST
Address Line 4:	WESTFIELD, NEW JERSEY 07090
ATTORNEY DOCKET NUMBER:	GOOGLE 3.0-1791 DIV (E)
NAME OF SUBMITTER:	ANDREW T. ZIDEL
SIGNATURE:	/Andrew T. Zidel/
DATE SIGNED:	03/31/2015
Total Attachments: 4	
source=Google 3.0-1791 DIV (E).6084_Assignment_30MAR2012#page1.tif	
source=Google 3.0-1791 DIV (E).6084_Assignment_30MAR2012#page2.tif	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Google Inc.**, a Delaware corporation, having a place of business at **1600 Amphitheatre Parkway, Building 41, Mountain View, CA 94043** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. 13/434,515, entitled "**Hierarchical Conditional Random Field Model for Labeling and Segmenting Images,**" filed on March 29, 2012.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

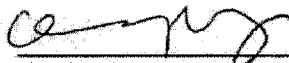
INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Title: **Hierarchical Conditional Random Field Model for Labeling and Segmenting Images**
Filed: March 29, 2012
Application No.: 13/434,515

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature



Qixing Huang

Date of Signature

03/28/2012, 2012

Name and Signature

Mei Han

Date of Signature

, 2012

Name and Signature

Bo Wu

Date of Signature

, 2012

Name and Signature

Sergey Ioffe

Date of Signature

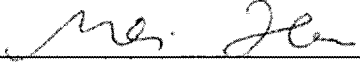
, 2012

Title: **Hierarchical Conditional Random Field Model for Labeling and Segmenting Images**
Filed: March 29, 2012
Application No.: 13/434,515

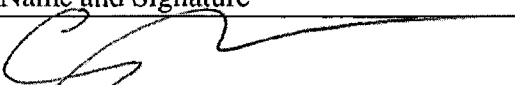
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<u>Name and Signature</u>	<u>Date of Signature</u>
<u>Qixing Huang</u>	<u>, 2012</u>

<u>Name and Signature</u>	<u>Date of Signature</u>
<u></u>	<u>3/21, 2012</u>
Mei Han	

<u>Name and Signature</u>	<u>Date of Signature</u>
<u>Bo Wu</u>	<u>, 2012</u>

<u>Name and Signature</u>	<u>Date of Signature</u>
<u></u>	<u>3/21, 2012</u>
Sergey Ioffe	

Title: **Hierarchical Conditional Random Field Model for Labeling and Segmenting Images**
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Mei Han

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_____, 2012
03/21

Bo Wu

Name and Signature

Date of Signature

_____, 2012

Sergey Ioffe