502539035 10/21/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2584448

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John Flynn	12/17/2009
Ulrich Buddemeier	12/21/2009
Henrik C. Stewenius	12/09/2009
Hartmut Neven	12/17/2009
Fernando Brucher	12/17/2009
Hartwig Adam	12/15/2009

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:	14037681

CORRESPONDENCE DATA

Fax Number: (877)769-7945 (202) 626-7766 Phone: Email: apsi@fr.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: CHRISTOPHER MA Address Line 1: FISH & RICHARDSON P.C.

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ATTORNEY DOCKET NUMBER: 16113-5101003

> **PATENT** REEL: 031442 FRAME: 0196

NAME OF SUBMITTER:	LORI L. STEWART	
Signature:	/Lori L. Stewart/	
Date:	10/21/2013	
Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif		

PATENT REEL: 031442 FRAME: 0197

ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

GOOGLE 3.0-134

WHEREAS, I, <u>John Flynn</u> of <u>3115 Strongs Drive</u> , invented or discovered inventions or discoveries, the subject entitled "Matching An Approximately Located Query Image Application"),	Apartment A: Marina Del Rey, California 90292, have be matter of which is described in the patent application Against A Reference Image Set "(hereafter "Patent
X WHEREAS (if the left box is checked), the Patent Trademark Office on December 7, 2009, Application Number	Application was filed with the U.S. Patent and ar 12/632,338, and
WHEREAS (if the left box is checked), the Patent (and whereas I hereby authorize Lerner, David, Littenberg, I [Application No	Application names the following inventors: Krumhoiz & Mentlik, LLP, to insert in here in brackets the application number and filing date of the
WHEREAS, <u>Google Inc.</u> , incorporated or otherwise 1600 Amphitheatre Parkway; Mountain View, California 94 or has acquired and is desirous of memorializing its acquisit same;	e formed in <u>Delaware</u> and having a place of business at 043 (hereafter, the "assignee") is desirous of acquiring, ion further herein, the entire right, title and interest in
NOW, THEREFORE, for good and valuable considered as follows. I agree to assign, and hereby do assign, the Assigned Applications in the United States of America a means the Patent Application, including any and all invention therein, any divisional, continuation, continuation-in-part, suctaining priority or benefit to the Patent Application pursuan foregoing. I agree to assign, and hereby do assign, to assign previously conveyed, nor am I aware of an obligation to comparty. I hereby authorize the U.S. Patent and Trademark Oissue to assignee all patents resulting from the Assigned Ap At assignee's reasonable request I agree, without further relat assignee's expense and to provide other cooperation, suce assignee's expense and to provide other cooperation, suce as any other indicia of its sole discretion. I agree that the assign of the provisions here requirements of the provision shall remain to the full extent possible be deemed replaced, to the extent possible, with a prooffending provision.	nd all other countries, where "Assigned Applications" ns, discoveries and other subject matter described bestitute, reissue, re-examination or other application to any law or treaty, and any patent issuing from the mee the right to claim such priority or benefit. I have not vey, my rights in the Assigned Applications to a third fice, and any other governmental agency in the world, to plications and to record assignee's ownership thereof, muneration, to execute and deliver documents prepared that as testimony, as may be reasonably required to attons. Assignee may assign or transfer all or part of its seignee may affix its signature to this document as well of. If any provision herein is unenforceable, the
17/12-60	
(Date)	(Signature)
Signature of Witness RAFA EL SPRING Printed Name of Witness	

ASSIGNM	MENT OF	PATENT	APPLICAT	ION

Docket Number (Optional)

ASSIGNMENT OF PATENT APPLICATION	GOOGLE 3.0-134	
WHEREAS, I, <u>Ulrich Buddemeier</u> of <u>664 Flower Avenue</u> ; <u>Venice</u> , <u>California 90291</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Matching An Approximately Located Query Image Against A Reference Image Set "(hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and		
Trademark Office on December 7, 2009, Application Number 12/632,338, and WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No, filed on] the application number and filing date of the application when known), and		
WHEREAS, <u>Google Inc.</u> , incorporated or otherwise formed in 1600 Amphitheatre Parkway; Mountain View, California 94043 (herea or has acquired and is desirous of memorializing its acquisition further same;	fter, the "assignee") is desirous of acquiring,	
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending potions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the		
12/21/09 C	(Signature)	
Signature of Witness Jiayong Zhang Printed Name of Witness	7	

ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

GOOGLE 3.0-134 WHEREAS, I, Henrik Stewenius of Im Tiergarten 4; 8055 Zurich; SWITZERLAND, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled * Matching An Approximately Located Query Image Against A Reference Image Set "(hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on December 7, 2009, Application Number 12/632,338, and WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. ·__, filed on ___ _____] the application number and filing date of the application when known), and WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway: Mountain View. California 94043 (hereafter, the "assignee") is desirous of acquiring. or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision, ec 9/2007 Signature of Witness BOFFY Printed Name of Witness

PATENT

REEL: 031442 FRAME: 0200

ASSIGNMENT	OF PATENT	APPLICATION
		W: FIALITIES

Docket Number (Optional)

ASSIGNMENT OF PATENT APPLICATION	GOOGLE 3.0-134		
WHEREAS, I, Hartmut Neven of 4107 Escondido Drive; Malibu, California 90265, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Matching An Approximately Located Query Image Against A Reference Image Set "(hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on December 7, 2009, Application Number 12/632,338, and			
WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lemer, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No, filed on] the application number and filing date of the application when known), and			
WHEREAS, Google Inc., incorporated or otherwise formed in 1600 Amphitheatre Parkway; Mountain View, California 94043 (herea or has acquired and is desirous of memorializing its acquisition further same;	ofter, the "assignee") is desirous of acquiring,		
NOW, THEREFORE, for good and valuable consideration the agree as follows. I agree to assign, and hereby do assign, to the assigned Applications in the United States of America and all other means the Patent Application, including any and all inventions, discovered therein, any divisional, continuation, continuation-in-part, substitute, reclaiming priority or benefit to the Patent Application pursuant to any largority or benefit to the Patent Application pursuant to any largority or benefit to the Patent Application pursuant to any largority. I agree to assign, and hereby do assign, to assignee the previously conveyed, nor am I aware of an obligation to convey, my right party. I hereby authorize the U.S. Patent and Trademark Office, and a issue to assignee all patents resulting from the Assigned Applications. At assignee's reasonable request I agree, without further remuneration at assignee's expense and to provide other cooperation, such as testing evidence or protect assignee's rights in the Assigned Applications. As rights set forth herein in its sole discretion. I agree that the assignee mas any other indicia of its acceptance of the provisions hereof, if any prequirements of the provision shall remain to the full extent permissible shall be deemed replaced, to the extent possible, with a provision most offending provision.	gnee my entire right, title and interest in and to er countries, where "Assigned Applications" eries and other subject matter described eissue, re-examination or other application w or treaty, and any patent issuing from the ght to claim such priority or benefit. I have not ghts in the Assigned Applications to a third any other governmental agency in the world, to and to record assignee's ownership thereof. In, to execute and deliver documents prepared mony, as may be reasonably required to signee may assign or transfer all or part of its nay affix its signature to this document as well provision herein is unenforceable, the e by law and the offending portions thereof		
12/17/09	to No		
(Date)	(Signature)		
Signature of Witness Jiayong Zhang Printed Name of Witness	•		

Docket Number (Optional)

GOOGLE 3.0-134 WHEREAS, I, Fernando Brucher of 35 Carriage Drive; Irvine, California 92602, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled " Matching An Approximately Located Query Image Against A Reference Image Set "(hereafter "Patent Application"), WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on December 7, 2009, Application Number 12/632,338, and WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. ___] the application number and filing date of the application when known), and WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway; Mountain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, it agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision. 12/17/2009 ALESSANDRO BISSACCO

ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

GOOGLE 3.0-134

WHEREAS, I, <u>Hartwig Adam</u> of <u>13082 Mindanao Way #27: Marina Del Rey, California 90292</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "Matching An Approximately Located Query Image Against A Reference Image Set "(hereafter "Patent Application"),
X WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on December 7, 2009, Application Number 12/632,338, and
WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No, filed on] the application number and filing date of the application when known), and
WHEREAS, Google Inc., incorporated or otherwise formed in <u>Delaware</u> and having a place of business at 1600 Amphitheatre Parkway; Mountain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" neans the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application dialiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the pregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third arry. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof, at assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared to assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to widence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its gifts set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well sany other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the equirements of the provision shall remain to the full extent permissible by law and the offending portions thereof fending provision.
12/15/2007 BARON
(Date) (Signature)
Signature of Witness Jiayong Zhang Printed Name of Witness

PATENT

REEL: 031442 FRAME: 0203

RECORDED: 10/21/2013