PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY DATA						
N			lame	Execution Date		
Verizon Patent and Licensing Inc.				09/16/2010		
RECEIVING PARTY DA	TA					
Name:	Name: Google Inc.					
Street Address:	1600 Amphithea	atre Pa	arkway			
City:	Mountain View					
State/Country:	CALIFORNIA					
Postal Code:	94043	94043				
PROPERTY NUMBERS Total: 1						
Property Type		Number				
Application Number: 139226		602				
CORRESPONDENCE D	ATA			40974688 1		
Fax Number:8777697945Correspondence will be sent via US Mail when the fax attempt is unsuccessful.Phone:(202) 626-7766Email:apsi@fr.comCorrespondent Name:Christopher MaAddress Line 1:FISH & RICHARDSON P.C.Address Line 2:P.O.BOX 1022Address Line 4:MINNEAPOLIS, MINNESOTA 55440-1022						
ATTORNEY DOCKET NUMBER:		16113-2852005				
NAME OF SUBMITTER:		Lori L. Stewart				
Signature:		/Lori L. Stewart/				
Date:		07/18/2013				
Total Attachments: 3 source=Verizon to Googl source=Verizon to Googl source=Verizon to Googl	le#page2.tif					

ASSIGNMENT AND RESERVATION

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement between the parties with an effective date of August 30, 2010 ("Effective Date") ("Patent Assignment Agreement"), Verizon Patent and Licensing Inc., a Delaware corporation having a place of business at One Verizon Way, Basking Ridge, NJ 07920 (hereinafter "ASSIGNOR"), hereby grants and assigns to Google Inc., a Delaware corporation having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043, (hereinafter "ASSIGNEE"), all of Assignor's right, title and interest in and to the Letters Patents and applications for Letters Patent identified in Exhibit A, attached hereto, (hereinafter, collectively, "ASSIGNED PATENTS"), to have and to hold the same, unto Assignee for its own use and enjoyment and for the use and enjoyment of its successors and assigns, including all damages for infringement of any of the Assigned Patents accruing before, on, and after the Effective Date and the sole right to suc therefore under such Assigned Patents, for the full term or terms of all such Assigned Patents, subject to all rights granted under the Assigned Patents to third parties by Assignor prior to said Effective Date.

Assignor hereby reserves and retains, for the benefit of itself and its subsidiaries and its and their successors and assigns, the rights and licenses set forth in the Patent Assignment Agreement.

IN WITNESS WHEREOF, Assignor has caused this Assignment and Reservation to be duly signed on its behale

Signed:	YL.	A
By:	Joseph	1 Palmieri

Title: Vice President

State of New Jeasey County of MORRis Date: Sept. 16, 2010

Before me this 1 le day of Seprember, 2010, Joseph R. P. Initer'

personally appeared,

____ is to me known to be the person who is described in and who signed the foregoing

Assignment and Reservation and acknowledged to me that he/she signed the same of his/her own free will for the purpose therein expressed.

Notary Public

NOTARY PUBLIC RECERCIS COUNTY, NEW JERSE My commission capture August 6, 2018

EXHIBIT A

Patent No. (or Appl. No. for pending	Country
assets)	4.7.8
5,241,619	US
5,502,759	US
5,613,250	US
5,553,119	US
5,586,171	US
6,594,789	US
5,655,007	US
5,666,400	US
5,719,921	US
<u>5,832,063</u>	US
5,978,450	US
5,991,364	US
6,038,305	UŞ
6,067,347	US
6,101,242	US
6,122,357	US
6,167,119	US
6,229,880	US ·
6,385,584	US
6,404,858	US
6,404,876	US
6,665,377	US
6,590,772	US
6,741,677	US
6,744,860	ŬŠ
6,744,861	US
6,823,306	US
6,915,262	US
6,963,633	<u> </u>
7,027,568	US
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7,127,046	
and the second	US
7,260,187	<u>US</u>
7,302,391	US
7;401,023	US
RE38,101	US
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5,761,640	US
5,832,435	ÛS
5,842,165	US
5,865,626	US
5,890,117	US
5,893,059	UŠ

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5,895,448	US
5,960,399	05
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6,014,624	US
6,016,470	US
6,076,054	US
6,311,182	US
6,618,726	US
7,295,978	US
10/961,781	US
11/767,853	US
11/869,275	US
2,119,397	CA
2,594,071	CA
2,594,073	ČÁ.
6.643.640	Us
6,704,405	US
6.829.332	US
4,876,731	US
5,321,833	US
DE69132331	DE
497960	FR
497960	SE
6,374,241	US
0,393,415	US
6,397,228	US
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6,493,721	ŬŠ
6,496,843	US
6,519,592	US
6,578,056	
6,640,228	US
6,912,525	<u></u>
11/138,028	
12/497,887	US US

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RECORDED: 07/18/2013