PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	′ DATA			
Name			Execution Date	
Caroline TICE			07/19/2012	
Geoffrey Roeder PIKE			07/23/2012	
Ulfar ERLINGSSON		08/21/2012		
Lawrence Alan CRO	WL	07/19/2012		
Cary Allen COUTAN	Т	07/19/2012		
Xinliang David LI			07/19/2012	
Sriraman TALLAM			07/19/2012	
Kenneth BUCHANAN			08/02/2012	
RECEIVING PARTY I	DATA			
RECEIVING PARTY I	DATA			
Name:	GOOGLE INC.			
Street Address:	1600 Amphitheatre Parkway			
City:	Mountain View			
State/Country:	CALIFORNIA			
Postal Code:	94043			
PROPERTY NUMBE	RS Total: 1			
PROPERTY NUMBE		Number		
PROPERTY NUMBE	Гуре	Number 3601950		
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Property T Application Number: CORRESPONDENCE Fax Number: Phone: Email:	Fype 11: E DATA 94985193- 949.851.00 Itillman@n	3601950 48 633 nwe.com, mweipdocket@mwe.com		
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Property T Application Number: CORRESPONDENCE Fax Number: Phone: Email: <i>Correspondence will of via US Mail.</i> Correspondent Name	Type 1: E DATA 949851934 949.851.00 1tillman@n be sent to the e-m 1tillman@n e: Andrew D. McDermot 600 13th S	3601950 48 633 nwe.com, mweipdocket@mwe.com <i>nail address first; if that is unsuccessful, it</i> . Mickelsen tt Will & Emery LLP		

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REEL: 028903 FRAME: 0145

ATTORNEY DOCKET NUMBER:	087868-0935			
NAME OF SUBMITTER:	Andrew D. Mickelsen, Reg. No. 50,957			
Total Attachments: 8 source=087868-0935 Assignment#page1.tif source=087868-0935 Assignment#page2.tif source=087868-0935 Assignment#page3.tif source=087868-0935 Assignment#page5.tif source=087868-0935 Assignment#page6.tif source=087868-0935 Assignment#page7.tif source=087868-0935 Assignment#page8.tif				

ASSIGNMENT

For valuable consideration, WE, Caroline TICE of 875 Linda Vista Avenue, Mountain View, California 94043; Geoffrey Roeder PIKE of 325 San Jose Avenue, San Francisco, California 94110; Úlfar ERLINGSSON of 3645 Ramona Circle, Palo Alto, California 94306; Lawrence Alan CROWL of 201 Horizon Avenue, Mountain View, California 94043-4718; Cary Allen COUTANT of 13478 Briar Court, Saratoga, California 95070; Xinliang David LI of 723 Christine Drive, Palo Alto, California 94303-4443; Sriraman TALLAM of 243 Buena Vista Avenue, Apt. 1404, Sunnyvale, California 94086; and Kenneth BUCHANAN of 378 Red Osier Road, Waterloo, Ontario, Canada N2V2W1 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 DETECTING AND HANDLING VTABLE POINTER CORRUPTION, filed August 31, 2012, and assigned U.S. Serial Number 13/601,950, 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.

PATENT REEL: 028903 FRAME: 0147

Date: July 19, 2012

+MI

Caroline TICE

Witnessed by:

Farme Crowl Signature

Lawrence Crowl Typed or Printed Name

201 Horizon Avenue View CA 94043 Mountain

Witness Address

Date: _____

Geoffrey Roeder PIKE

Witnessed by:

Signature

Typed or Printed Name

Witness Address

Attorney Docket No. 087868-0935

Date: _____

Caroline TICE

Witnessed by:

Signature

Typed or Printed Name

Witness Address

12 Date:

Geoffrey Roeder PIKE

Witnessed by:

Signature

DAVID MILL ~ K Typed or Printed Name

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Attorney Docket No. 087868-0935

 $\vec{\mathcal{V}}$ Date:

Úlfar ERLINGSSON

Witnessed by:

Signature

Kenneth C. B. Typed or Printed Name

1309 SAN DOMAR DR ADT B

Mountain View, CA 94043 Witness Address

Date: _____

Lawrence Alan CROWL

Witnessed by:

Signature

Typed or Printed Name

Witness Address

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Page 3 of 5

Date: _____

Úlfar ERLINGSSON

Witnessed by:

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Witness Address

Date: 19 July 2012

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Lawrence Alan CROWL

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Signature

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Laurence Lon

Signature

Lawrence Crow/ Typed or Printed Name

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Witness Address

Date: 07/18/2012

Xinliang David LI

Witnessed by:

Zaura Cron Signature

Lawrence C.

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Witness Address

Date: 2012 R

Sriraman TALLAM

Witnessed by:

Caroline Tice

Signature

Signature <u>Caroline Tice</u> Typed or Printed Name

875 Linda Vista Ave Mountain View, CA 94043 Witness Address

Date: _____

Kenneth BUCHANAN

Witnessed by:

Signature

Typed or Printed Name

Witness Address

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Page 5 of 5

PATENT REEL: 028903 FRAME: 0153 Date: _____

Sriraman TALLAM

Witnessed by:

Signature

Typed or Printed Name

Witness Address

Date: 08/02/2012

Kenneth BUCHANAN

Witnessed by:

Signature

Maysum Panju

Typed or Printed Name

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RECORDED: 09/05/2012