#### 503384176 07/09/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3430798

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAYDEEP KULKARNI	06/30/2015
PRAMOD KOLAR	06/30/2015
ANKIT SHARMA	06/30/2015
SUBHO CHATTERJEE	07/06/2015
KARTHIK SUBRAMANIAN	07/06/2015
FARHANA SHEIKH	06/30/2015
WEI-HSIANG MA	06/30/2015

#### **RECEIVING PARTY DATA**

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14752464

#### **CORRESPONDENCE DATA**

**Fax Number:** (612)332-8352

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.

Email: intelinhouse@cpaglobal.com
Correspondent Name: INTEL CORPORATION
Address Line 1: C/O CPA GLOBAL

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

PO BOX 52050

ATTORNEY DOCKET NUMBER:	P83433
NAME OF SUBMITTER:	MEHAK CHAWLA
SIGNATURE:	/Mehak Chawla/
DATE SIGNED:	07/09/2015

PATENT REEL: 036036 FRAME: 0712

Address Line 2:

# Total Attachments: 9 source=P83433\_Fully Executed Assignment#page1.tif source=P83433\_Fully Executed Assignment#page2.tif source=P83433\_Fully Executed Assignment#page3.tif source=P83433\_Fully Executed Assignment#page4.tif source=P83433\_Fully Executed Assignment#page5.tif source=P83433\_Fully Executed Assignment#page6.tif source=P83433\_Fully Executed Assignment#page7.tif source=P83433\_Fully Executed Assignment#page8.tif source=P83433\_Fully Executed Assignment#page9.tif

PATENT REEL: 036036 FRAME: 0713

# ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

## JAYDEEP KULKARNI; PRAMOD KOLAR; ANKIT SHARMA; SUBHO CHATTERJEE; KARTHIK SUBRAMANIAN; FARHANA SHEIKH; WEI-HSIANG MA

hereby sell, assign, and transfer to:

## Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

#### CAPACITIVE WORDLINE BOOSTING

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the	3.6
designated lines below, the filing date and application number of said application when known.)	

which was filed on	June 26, 2015			
US COUNTRY or Inte	((((((())))	Application Number	_14/752.464	 nd

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignce may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and

Page 1 of 2

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

	09/30/2015T
Jaydeep Kulkarni	Date signed
Pramod Kolar	Date signed
he from	06/30/2015
Ankit Sharma	Date signed
Subho Chatterjee	Date signed
Karthik Subramanian	Date signed
<u> Karada</u>	6/30, 2015
Farhana Sheikh	Date signed
Wei-hsiang Ma	Date signed

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which was filed on			
US COUNTRY or International Office	Application Number	14/752,464	and

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Jaydeep Kulkarni	Date signed
	30 June 2015
Pramod Kolar	Date signed
Ankit Sharma	Date signed
Subho Chatterjee	Date signed
Karthik Subramanian	Date signed
Farhana Sheikh	Date signed
Wei-hsiang Ma	Date signed

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## CAPACITIVE WORDLINE BOOSTING

(I hereby authorize and request any attorned designated lines below, the filing date and approximately approximately approximately authorized and approximately authorized and approximately authorized and request any attorned designated and approximately authorized and request any attorned designated and request and request any attorned designated and request and r	y baving appropriate auth oplication number of said	ority from the assigne application when knov	e to insert on the vn.)
which was filed onJune 26, 2015		28	
COUNTRY or International Office	Application Number 14	/752,464	and
which has been executed by the undersigned pr	ior hereto or concurrently h	erewith on the date(s) is	ndicated below,
and in and to said application and all Additiona			
filed in the United States and all other countries	and international filing off	ices on any of said inve	ntions and
improvements; and in and to all original and re-	ssued patents that have bee	n or shall be issued in th	ne United States and
all other countries and international filing office	es on said inventions and im	provements; and in and	l to all rights of
priority resulting from the filing of said applica	tions; as used herein "Addi	tional Applications" inc	cludes but is not
limited to design, utility, utility model, division			
national phase applications on said inventions a			

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PATENT REEL: 036036 FRAME: 0718

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	Jaydeep Kulkarni	Date signed
<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	Pramod Kolar	Date signed
	Ankit Sharma	Date signed
	Subho Chatterjee	Date signed
	S karni	6th July 2015
	Karthik Subramanian	Date signed
·····	Farhana Sheikh	Date signed
	Wei-hsiang Ma	Date signed

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(I hereby authorize and request any attorney having appropriate authority from the assignce to insert on the designated lines below, the filing date and application number of said application when known.)			
which was filed on			
US COUNTRY or International Office	Application Number		

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

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Jaydeep Kulkarni	Date signed
D 1 87 3 .	rv.s. dd
Pramod Kolar	Date signed
Ankit Sharma	Date signed
Matteries	7/6/15
Subho Chatteñce	Date signed
Karthik Subramanian	Date signed
Farhana Sheikh	Date signed
Wei-hsiang Ma	Date signed

maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Jaydeep Kulkarni	Date signed
Pramod Kolar	Date signed
Ankit Sharma	Date signed
Subho Chatterjee	Date signed
Karthik Subramanian	Date signed
Farhana Sheikh	Date signed
	<u>つら/3/3-/で</u> Date signed
Wei-hsiang Ma	Date signed

Page 2 of 2