### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3745794

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ASHISH JHA	02/17/2016
ROBERT VALENTINE	01/31/2016
ELMOUSTAPHA OULD-AHMED-VALL	02/16/2016

#### **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:	14581289

#### **CORRESPONDENCE DATA**

**Fax Number:** (408)675-0442

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.

**Phone:** (408) 412-3016

**Email:** carla@nicholsondevos.com

Correspondent Name: NDWE LLP/ INTEL Address Line 1: C/O CPA GLOBAL Address Line 2: P.O. BOX 52050

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	42P71269
NAME OF SUBMITTER:	THOMAS C. WEBSTER
SIGNATURE:	/Thomas C. Webster/
DATE SIGNED:	02/18/2016

#### **Total Attachments: 6**

source=P71269\_Assignment\_ASHISHJHA#page1.tif source=P71269\_Assignment\_ASHISHJHA#page2.tif source=P71269\_Assignment\_BobValentine#page1.tif

PATENT 503699156 REEL: 037770 FRAME: 0062

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> PATENT REEL: 037770 FRAME: 0063

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## **ASSIGNMENT**

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

## ASHISH JHA; ROBERT VALENTINE; ELMOUSTAPHA OULD-AHMED-VALL

hereby sell, assign, and transfer to:  Intel Corporation	
a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Sa California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, interest for the United States and all other countries, in and to any and all inventions and improvement disclosed in the application for the patent entitled:	, title, a
METHOD AND APPARATUS FOR VECTOR INDEX LOAD AND STORE	
(I hereby authorize and request my attorney, associated with customer number 131413, to insert on the designated lines below, the filing date and application number of said application when known.)	
which was filed on <u>December 23, 2014</u> as	
USA Application Number 14/581,289 COUNTRY or International Office	and
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below	w.

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 Assignee 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, ussigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and

Page 1 of 2

the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and 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.

	04/17/2016
ASHISH JHA	Date signed
ROBERT VALENTINE	Date signed
ELMOUSTAPHA OULD-AHMED-VALL	Date signed

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COUNTRY or International Office

## **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:

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(I hereby authorize and red designated lines below, the	quest my attorney, associated with customer number filing date and application number of said application	131413, to insert on the on when known.)
which was filed on	December 23, 2014	as

\_ Application Number <u>14/581,289</u>

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 Assignee 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

Page i of 2

the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and 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.

ASHISH JHA	Date signed
Pobto Usland	Jan 31 201
ROBERT VALENTINE	Date signed
I MOUSTAPHA OULD-AHMED-VALL	Date signed

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and agree that said Assignee 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

Page 1 of 2

the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and 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

covenam 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.

ASHISH JHA

ROBERT VALENTINE

Date signed

2/16/2016

ELMOUSTAPHA OULD-AHMED-VALL.

Date signed

Page 2 of 2