503750711 03/23/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRIS NEWBURN	03/21/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15068390	

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ATTORNEY DOCKET NUMBER:	884.V71US1
NAME OF SUBMITTER:	MEGAN L. REED
SIGNATURE:	/Megan L. Reed/
DATE SIGNED:	03/23/2016

Total Attachments: 3

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PATENT 503750711 REEL: 038084 FRAME: 0544

RECORDATION FORM COVER SHEET **PATENTS ONLY**

Atty Ref/Docket No.: 884.V71US1 Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Chris Newburn	Name: Intel Corporation			
Additional name(s) of conveying party(ies) attached?	Street Address: 2200 Mission College Blvd.			
[]Yes [X]No	City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95054</u> Country: <u>United States of America</u>			
3. Nature of conveyance:	Additional name(s) &	Additional name(s) & address(es) attached? []Yes [X]No		
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other				
Execution Date: March 21, 2016				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new applic	cation, the execution date of the	application is:		
A. Patent Application No.(s)	В. Р	atent No.(s)		
Serial No. 15/068,390				
Additional numbers attached? []Yes [X]No				
5. Name and address of party to whom correspondence	6. Total number of ap	oplications and patents involved: 1		
concerning document should be mailed:	7. Total fee (37 CFR	7. Total fee (37 CFR 3.41):\$ <u>0.00</u>		
Name: Alex D. Starkovich	[]Enclosed			
Address:		[]Authorized to be charged to deposit account		
Schwegman Lundberg & Woessner, P.A.	504238			
P.O. Box 2938 Minneapolis, MN 554020938	8. Please charge any payments to our I	additional fees or credit any over Deposit Account No.: 504238		
DO NOT	USE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing in of the original document.	formation is true and correct ar	nd any attached copy is a true copy		
Alex D. Starkovich/Reg. No. 56,925	/Alex Starkovich/	3/23/2016		
Name of Person Signing	Signature	Date		
	Total number of pages includi	ng cover sheet: 3		

Mail documents to be recorded with required cover sheet information to:

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> PATENT REEL: 038084 FRAME: 0545

Intel Docket No.: P96868 SLW Reference No.: 884.V71US1

ASSIGNMENT

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

<Chris Newburn>

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 ("Assignce"), 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:

MULTI-GRAINED MEMORY OPERANDS

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

which was filed on March 11, 2016 as

CJ Newburn

United States of America Application Number 15/068,390

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

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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.

Min Man

Chris Newburn

Jellis Date Signed

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