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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3520442

SUBMISSION TYPE:		CORRECTIVE ASSIGNMENT	Г
NATURE OF CONVEYANCE: Corrective Assignment to correct the MISSING INVENTOR recorded on Reel 014282 Frame 0914. Assignor(s) hereby ASSIGNMENT.			
CONVEYING PARTY D	АТА		
		Name	Execution Date
MINERVA M. YEUNG			09/03/2015
YEN-KUANG CHEN			09/04/2015
JULIEN SEBOT			09/04/2015
HUY V. NGUYEN			09/03/2015
RECEIVING PARTY DA	ТА		
Name:	INTEL C	ORPORATION	
Street Address:	2200 MISSION COLLEGE BOULEVARD		
City:	SANTA CLARA		
State/Country:	CALIFORNIA		
Postal Code:	95054		
PROPERTY NUMBERS	Total: 1		
Property Type		Number	
Application Number:	1	3668418	
	e sent to a provided; Ip It C	the e-mail address first; if that is if that is unsuccessful, it will be peterson@cpaglobal.com NTEL CORPORATION /O CPA GLOBAL .O. BOX 52050	
Address Line 4:		IINNEAPOLIS, MINNESOTA 5540	2
ATTORNEY DOCKET NU	IMBER:	P15766C4	

ATTORNEY DOCKET NUMBER:	P15766C4
NAME OF SUBMITTER:	BRENT E. VECCHIA
SIGNATURE:	/Brent E. Vecchia/
DATE SIGNED:	09/10/2015
Total Attachments: 17	

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Total number of pages including cover shi	set, attachments, and document: 3
Name of Person Signing	Signature Date
Peter Lam	<u></u>
	correct and any attached copy is a true copy of the original document
	E THIS SPACE
	(Attach duplicate copy of this page if paying by deposit account)
City: Los Angeles State: CA ZIP: 90025	92-2666
7th Floor	8. Deposit Account Number:
Street Address: 12400 Wilshire Boulevard	Contraction of the provident of debrait accession
internal Address:	Enclosed Authorized to be charged to deposit account
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$ 40.00
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved:
Additional numbers attar	ched? 🖾 No 🗌 Yes
Unassigned	
A. Patent Application No.(s)	B. Patent No.(s)
Application number(s) or patent number(s): $\searrow \otimes \bigotimes $ f this document is being filed together with a new application,	the execution date of the application is:
	Additional name(s)& address(es) attached? X No X Yes
Everydian Posto - June 27, 2003 and June 20, 2003	Country: USA
	City: Santa Clara State: CA Zip: 95052-8119
3. Nature of Conveyance:	
Additional name(s) of conveying party(ies) attached?	Street Address: 2200 Mission College Boulevard
	internal Address:
	Name: Intel Corporation
Yen-Kuang Chen; William W. Macy, Jr.; Matihew	
(No 550 NO 500 NO 5	3.35 iginal documents or copy thereof. 2. Name and address of receiving party(ies):
(Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005	Patent and Trademark Office

Alexandria, VA 22313-1450

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

YEN-KUANG CHEN; WILLIAM W. MACY, JR.; MATTHEW HOLLIMAN; ERIC L. DEBES; MINERVA M. YEUNG; HUY V. NGUYEN; JULIEN SEBOT

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:

BITSTREAM BUFFER MANIPULATION WITH A SIMD MERGE INSTRUCTION

(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	November 05, 2012	as	
US	Application Number	13/668,418	and
COUNTRY or Internation	onal Office		

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 1 of 2

Attorney Docket No.: P15766C4

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.

YEN-KUANG CHEN	Date signed
WILLIAM W. MACY, JR.;	Date signed
MATTHEW HOLLIMAN	Date signed
ERIC L. DEBES	Date signed
Mr.H.S.	9/3/2015
MINERVA M. YEUNG	Date signed
HUY V. NGUYEN	Date signed
JULIEN SEBOT	Date signed

Page 2 of 2

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Page 1 of 2

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VEN-KOXNG CHEN

9/4/2015

Date signed

WILLIAM W. MACY, JR.;

Date signed

MATTHEW HOLLIMAN

Date signed

Date signed

Date signed

ERIC L. DEBES

MINERVA M. YEUNG

HUY V, NGUYEN

JULIEN SEBOT

Date signed

Date signed.

Page 2 of 2

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Page 1 of 2

Attorney Docket No.: P15766C4

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YEN-KUANG CHEN	Date signed
WILLIAM W. MACY, JR.;	Date signed
MATTHEW HOLLIMAN	Date signed
ERIC L. DEBES	Date signed
MINERVA M. YEUNG	Date signed
HUY V. NGUYEN	Date signed
tt	03/09/2015
JULIEN SEBOT	Date signed

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YEN-KUANG CHEN; WILLIAM W. MACY, JR.; MATTHEW HOLLIMAN; ERIC L. DEBES; MINERVA M. YEUNG; HUY V. NGUYEN; JULIEN SEBOT

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COUNTRY or Internation	onal Office		

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Attorney Docket No.: P15766C4

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YEN-KUANG CHEN	Date signed
WILLIAM W. MACY, JR.;	Date signed
MATTHEW HOLLIMAN	Date signed
ERIC L. DEBES	- Date signed
MINERVA M. YEUNG	Date signed
HUY V. NOUYEN	<u>9-3-2015</u> Date signed
JULIEN SEBOT	·· Date signed
JULIEN.SEDUI	lyare sixined

7/1/03

Attorney's Docket No.: 42P15766

ASSIGNMENT

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

Yen-Kuang Chen; William W. Macy, Jr.; Matthew Holliman; Eric L. Debes; Minerva M. Yeung

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 95052-8119 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

BITSTREAM BUFFER MANIPULATION WITH λ SIMD MERGE INSTRUCTION

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries 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 foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

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 design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, 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 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

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Page 1 of 2

or other agreement affecting the hts and property herein conveyed has been made to there by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Picase Sign and Date Below:

6/20/53	Man Harry Class
Date	Name: Yen-Kuang Chen
6/27/2002	- Ulle wangh
Date	Name: William W. Macy, Jr.
6/27/03	
Date	Name: Matthew Holliman
6127103	
Date	Name: Eric L. Debes
Date	Name: Minerya M. Yeung
Date	Name:
Dato	Name:
Date	Name:
	Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Blvd., Sevensh Floor Los Ángeles, CA 90025-1026 Telephone: (408).720-8300

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Each Inventor: Please Sign and Date Below:

Date <u>4/11/2003</u> Date	Name: Yen-Kuang Chen U.U.W.Mary Name: William W. Macy, Jr.
Date	Name: Matthew Holliman
Date	Name: Eric L. Debes
Date	Name: Minerva M. Yeung
Date	Name:
	Assignment Document Return Addre BLAKELY, SOKOLOFF, TAYLOR & Z

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLF 12400 Witshire Blvd., Seventh Floor Los Angeles, CA 90025-1026 Telephone: (408) 720-8300

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Each Inventor: Please Sign and Date Below;

Date	Name: Yen-Kuang Chen
Date	Name: William W. Macy, Jr.
Date	Name: Matthew Holliman
Date June 27, 2003 Date	Name: Eric L. Debes Name: Mincrva M. Yeung
Date	Name:
Date	Nanse;
Date	Nanie:
Date	Name:
Date	Name:
Date	Name:

Assignment Document Renam Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Bled., Seventh Floor Los Angeles, CA 90025-1026 Telephone. (408) 720-8300

OATH & ASSIGNMENT

1. The undersigned hereby undertake that the invention/new utility model/new design entitled

BITSTREAM BUFFER MANIPULATION WITH A SIMD MERGE INSTRUCTION

was truly invented by me/us. The undersigned agree to accept punishments provided for in laws in case of any imposture, plagiarism, imitation or deceptive activities.

2. The undersgined hereby assign all my/our rights and interests regarding the invention/new utility model/new design as far as the Republic of China is concerned to a <u>Corporation</u> organized and existing under the laws of <u>Delaware</u> and located at

	Intel Corporation 2200 Mission College Boulevard Santa Clara, California 95052-8119 USA		× 1/2 ×
Signature	Mondandlow	Signature	Welly, here .
Name (Print)	Cen-Knang Ches	Name (Print)	William W. Macy, Jr
Date	<u></u>	Date	6/27/2002
Nationality	Taiwan	Nationality	LSA
Address	475 Cumulus Avenue, Apt. 26	Address	151 Melville Avenue
	Sungevale California 94087.LISA		Palo Alto, California 94301 USA
Signature	ALL	Signature	
Name (Print)	Matthew Halliman	Name (Print)	Eric L. Debes
Date	6/27/03	Date	6/27/03
Nationality	USA	Nationality	Генексе
Address	1212 Oak Creek Way	Address	1365 Lexington Street
	Sumnyvale, California 94089.USA		Santa Clara, California 95050 USA
Signature		Signature	
	Minerva M. Yeung	Name (Print)	
Date		Date	
Nationality	USA	Nationality	
Address	969 Sutter Avenue	Address	
	Sumnyvale, California 94086.LISA		
Signature		Signature	
Name (Print)		Name (Print)	
Date		Date	
Nationality		Nationality	
Address		Address	
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Name (Print) Date		Name (Print) Date	
Nationality		Nationality	
Address		Address	
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(Neither notarization nor legalization is required for this document.)

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> Intel Corporation 2200 Mission College Boulevard Sanus Clara, California 95052-8119 USA

Signature		Signature	
Name (Print)	Yen-Kuzog Chen	Name (Print)	William W. Macy. Ir.
Date		Date	·
Nationality	Taiwan	Nationality	LISA
Address	425 Cumulus Axenne, Ant. 26	Address	151 Melville Avenue
	Sunnyvale, California 94087.USA		Pala Alta, California 94301 LISA
Signature		Signature	
Name (Print)	Matthew Hollinse	Name (Print)	Eric I. Debes
Date		Date	
Nationality	128A	Nationality	France
Address	1212 Oak Creek Wax	Address	1365 Lexington Street
	Sampyzale, California, 94089 LiSA		Santa Clara, California 95050 LiSA
Signature /	/ M June Marine	Signature	
Name (Print)	Minerya M. Yeung	Name (Print)	
Date	June 29, 2003.	Date	
Nationality	LISA	Nationality	
Address	969 Suiter Avenue	Address	
	Sunnyvale, California 24086 USA		
Signature		Signature	
Name (Print)		Name (Print)	
Date		Date	
Nationality		Nationality	
Address		Address	
Signature		Signature	
Name (Print)		Name (Print)	
Date		Date	
Nationality		Nationality	
Address		Address	

(Neither notarization nor legalization is required for this document.)

RECORDED: 09/10/2015