PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2965071

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the APPLICATION NUMBER FROM 12347060 TO 12647060 previously recorded on Reel 028843 Frame 0617. Assignor(s) hereby confirms the CORRECT APPLICATION NUMBER AS 12647060.

CONVEYING PARTY DATA

Name	Execution Date
BERNARD ARAMBEPOLA	12/23/2009
THUSHARA HEWAVITHANA	12/24/2009
PARVEEN K SHUKLA	12/24/2009

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1 Property Type Number **Application Number:** 12647060 **CORRESPONDENCE DATA** Fax Number: (612)677-3572 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: 4105054585 Email: inteldocs@cpaglobal.com Correspondent Name: GARRETT IP, LLC C/O CPA GLOBAL Address Line 1: Address Line 2: PO BOX 52050 Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	P32634
NAME OF SUBMITTER:	STEPHANIE A PAGE
SIGNATURE:	/Stephanie A. Page/
DATE SIGNED:	08/01/2014

Total Attachments: 5

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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

	PE: NEW ASSIGNMENT		
NATURE OF CON	VEYANCE:	ASSIGNMENT	
CONVEYING PAF	RTY DATA		
	Na	ime	Execution Date
Bernard Arambep	ola		12/23/2009
Thushara Hewavi	ithana		12/24/2009
Parveen K. Shukla	a		12/24/2009
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	31		
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Street Address:	2200 Mission Col		
City: State/Country:	2200 Mission Col Santa Clara		
Street Address: City: State/Country: Postal Code: PROPERTY NUM	2200 Mission Col Santa Clara CALIFORNIA 95052 BERS Total: 1	llege Blvd.	ber
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Street Address: City: State/Country: Postal Code: PROPERTY NUM Property	2200 Mission Col Santa Clara CALIFORNIA 95052 BERS Total: 1 Type	llege Blvd.	ber

REEL: 033461 FRAME: 0769

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P32634
NAME OF SUBMITTER:	Patrick E. Garrett
Signature:	/Patrick E. Garrett, Reg. No. 39,987/
Date:	08/24/2012

Total Attachments: 3

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 08/24/2012

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ASSIGNMENT

WHEREAS, We, <u>Bernard Arambepola</u>, residing at <u>138 Park Avenue</u>, <u>Enfield EN1</u> <u>2BJ</u>, <u>United Kingdom</u>, and <u>Thushara Hewavithana</u>, residing at <u>340 Shenley Road</u>, <u>Borehamwood</u> <u>WD6 1TP</u>, <u>United Kingdom</u>, and <u>Parveen K. Shukla</u>, residing at <u>6 Ayton Close</u>, <u>Meadows</u>, <u>Nottingham NG2 1HF</u>, <u>United Kingdom</u>, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled <u>PARAMETER AND SCATTERED PILOT BASED SYMBOL TIMING RECOVERY</u>;

WHEREAS, We hereby authorize and request our attorneys, associated with Customer Number 78483, to insert here in parentheses (SER. No. 12/347,060 12/647,060; Filing Date: December 24, 2009) the filing date and application number of said application when known

AND WHEREAS, <u>Intel Corporation</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>2200</u> <u>Mission College Blvd.</u>, <u>Santa Clara, CA 95052</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid

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inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of Derone bar, 2009.

<u><u><u></u></u> Bernard Arambepola</u>

coursing a subarray point

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of Decree (1917, 2009.

M. M.

Thuchora Hannuttan

IN TESTIMONY WHEREOF, I have hereunin set my hand this 24 day of December 2009.

o <u>- Jhula</u>

Parveen K. Shukla