

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bernard Arambepola</td> <td>12/23/2009</td> </tr> <tr> <td>Thushara Hewavithana</td> <td>12/24/2009</td> </tr> <tr> <td>Parveen K. Shukla</td> <td>12/24/2009</td> </tr> </tbody> </table>	Name	Execution Date	Bernard Arambepola	12/23/2009	Thushara Hewavithana	12/24/2009	Parveen K. Shukla	12/24/2009	
Name	Execution Date								
Bernard Arambepola	12/23/2009								
Thushara Hewavithana	12/24/2009								
Parveen K. Shukla	12/24/2009								
RECEIVING PARTY DATA									
Name:	Intel Corporation								
Street Address:	2200 Mission College Blvd.								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95052								
PROPERTY NUMBERS Total: 1									
Property Type	Number								
Application Number:	12347060								
CORRESPONDENCE DATA									
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Correspondent Name:	Garrett IP, LLC								
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Address Line 4:	Minneapolis, MINNESOTA 55402								
ATTORNEY DOCKET NUMBER:	P32634								
NAME OF SUBMITTER:	Patrick E. Garrett								
Total Attachments: 3 source=P32634_Fully_Executed_Assignment#page1.tif source=P32634_Fully_Executed_Assignment#page2.tif source=P32634_Fully_Executed_Assignment#page3.tif									

CH \$40.00 12347060

ASSIGNMENT

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

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

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (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

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.

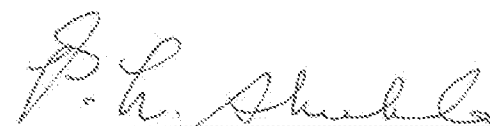
IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of December, 2009.


Bernard Arambepola

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


Thushara Hewavithana

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

A handwritten signature in cursive script, appearing to read 'P. K. Shukla', written in black ink on a white background.

Parveen K. Shukla