

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Nathaniel J. August</td> <td>12/16/2009</td> </tr> <tr> <td>Hung-Jin Lee</td> <td>12/16/2009</td> </tr> </tbody> </table>		Name	Execution Date	Nathaniel J. August	12/16/2009	Hung-Jin Lee	12/16/2009
Name	Execution Date						
Nathaniel J. August	12/16/2009						
Hung-Jin Lee	12/16/2009						
RECEIVING PARTY DATA							
Name:	Intel Corporation						
Street Address:	2200 Mission College Boulevard						
City:	Santa Clara						
State/Country:	CALIFORNIA						
Postal Code:	95052						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13543529</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13543529		
Property Type	Number						
Application Number:	13543529						
CORRESPONDENCE DATA							
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Address Line 4:	Sunnyvale, CALIFORNIA 94085-4040						
ATTORNEY DOCKET NUMBER:	42P31358C						
NAME OF SUBMITTER:	Usman A. Mughal						
Total Attachments: 2 source=42P31358_ASSIGNMENT#page1.tif source=42P31358_ASSIGNMENT#page2.tif							

CH \$40.00 13543529

ASSIGNMENT

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

NATHANIEL J. AUGUST, HYUNG-JIN LEE

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 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 entitled:

ADAPTIVE DIGITAL PHASE LOCKED LOOP

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on July 6, 2012 as
United States Application Number 13/543,529 and


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 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 resulting 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

INTEL CORPORATION
LCA/PAL FORMS

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.



Nathaniel J. August

12/16/2009
(Today's Date)



Hyung-Jin lee

12/16/2009
(Today's Date)