

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>Siddhartha Nath</td><td>03/07/2011</td></tr><tr><td>Suresh Kumar</td><td>03/11/2011</td></tr><tr><td>Rama Gopal Musunuri Satyanantha</td><td>03/11/2011</td></tr></tbody></table>	Name	Execution Date	Siddhartha Nath	03/07/2011	Suresh Kumar	03/11/2011	Rama Gopal Musunuri Satyanantha	03/11/2011	
Name	Execution Date								
Siddhartha Nath	03/07/2011								
Suresh Kumar	03/11/2011								
Rama Gopal Musunuri Satyanantha	03/11/2011								
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									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13071774</td></tr></tbody></table>	Property Type	Number	Application Number:	13071774					
Property Type	Number								
Application Number:	13071774								
CORRESPONDENCE DATA									
Fax Number: (612)332-8352 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 703-633-0973									
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ATTORNEY DOCKET NUMBER:	P31676								
NAME OF SUBMITTER:	Glen B Choi								
Total Attachments: 4 source=P31676_Executed_Assignment#page1.tif source=P31676_Executed_Assignment#page2.tif source=P31676_Executed_Assignment#page3.tif source=P31676_Executed_Assignment#page4.tif									

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PATENT
REEL: 026826 FRAME: 0534

ASSIGNMENT

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

SIDDHARTHA NATH; SURESH KUMAR; RAMA GOPAL MUSUNURI SATYANANTHA

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:

TECHNIQUES FOR CONTROLLING FRAME REFRESH

(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 March 25, 2011 as
United States Application Number 13/071,774 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
ICA/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.

Siddhartha Nath
Siddhartha Nath

03/07/2011
(Today's Date)

Suresh Kumar

(Today's Date)

Rama Gopal Musunuri Satyanantha

(Today's Date)

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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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Siddhartha Nath (Today's Date)

Suresh Kumar 11-MARCH-2011 (Today's Date)

M.S. Rama Gopal 11-March-2011 (Today's Date)
Rama Gopal Musunuri Satyanantha