

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>Kalyan Muthukumar</td><td>02/01/2011</td></tr><tr><td>Seshadri Harinarayanan</td><td>02/01/2011</td></tr><tr><td>Rama Kishan V. Malladi</td><td>02/01/2011</td></tr><tr><td>Raghavendra S. Hebbalalu</td><td>02/01/2011</td></tr><tr><td>Mukesh Gangadhar</td><td>02/01/2011</td></tr></tbody></table>		Name	Execution Date	Kalyan Muthukumar	02/01/2011	Seshadri Harinarayanan	02/01/2011	Rama Kishan V. Malladi	02/01/2011	Raghavendra S. Hebbalalu	02/01/2011	Mukesh Gangadhar	02/01/2011
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Intel Corporation</td></tr><tr><td>Street Address:</td><td>2200 Mission College Boulevard</td></tr><tr><td>City:</td><td>Santa Clara</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95052</td></tr></table>		Name:	Intel Corporation	Street Address:	2200 Mission College Boulevard	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95052		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (503)439-6073 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 5034398778													
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ATTORNEY DOCKET NUMBER:	42P35351												
NAME OF SUBMITTER:	Gregory D. Caldwell												

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PATENT
REEL: 025735 FRAME: 0279

Total Attachments: 4

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ASSIGNMENT

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

**Kalyan Muthukumar; Seshadri Harinarayanan; Rama Kishan V. Malladi;
Raghavendra S. Hebbalalu; Mukesh Gangadhar**

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 United States ("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 or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

ENERGY OPTIMIZATION TECHNIQUES IN A COMPUTING SYSTEM

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

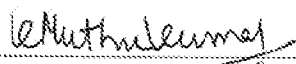
United States Patent Application Number 13/018,810 filed February 1, 2011

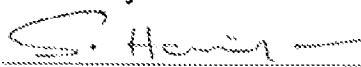
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, 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 or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or 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 or 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 or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

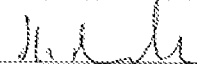
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is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

Each Inventor: Please Sign and Date Below:

1st Feb 2011 
Date Name: **Kalyan Muthukumar**

1 Feb 2011 
Date Name: **Seshadri Harinarayanan**

Date Name: **Rama Kishan V. Malladi**

1st Feb 2011 
Date Name: **Raghavendra S. Hebbalalu**

Date Name: **Mukesh Gangadhar**

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
Telephone: (503) 439-8778

ASSIGNMENT

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

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agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or 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 or 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 or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

M. R. K.
Feb 1, 2011

[Signature]
Feb 1, 2011

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.

Each Inventor: Please Sign and Date Below:

Date _____ Name: **Kalyan Muthukumar**

Date _____ Name: **Seshadri Harinarayanan**

FEB 1, 2011 MRU
Date _____ Name: **Rama Kishan V. Malladi**

Date _____ Name: **Raghavendra S. Hebbalalu**

FEB 1, 2011 [Signature]
Date _____ Name: **Mukesh Gangadhar**

Date _____ Name: _____

Date _____ Name: _____

Date _____ Name: _____

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