

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Jayant Mangalampalli</td> <td>02/01/2012</td> </tr> <tr> <td>Venkat R. Gokulrangan</td> <td>02/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jayant Mangalampalli	02/01/2012	Venkat R. Gokulrangan	02/06/2012
Name	Execution Date						
Jayant Mangalampalli	02/01/2012						
Venkat R. Gokulrangan	02/06/2012						
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>PCT Number:</td> <td>US2011066592</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2011066592		
Property Type	Number						
PCT Number:	US2011066592						
CORRESPONDENCE DATA							
Fax Number:	(612)332-8352						
Email:	deepikas@cpaglobal.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Kacvinsky Daisak PLLC						
Address Line 1:	c/o CPA Global						
Address Line 2:	PO Box 52050						
Address Line 4:	Minneapolis, MINNESOTA 55402						
ATTORNEY DOCKET NUMBER:	P40705PCT						
NAME OF SUBMITTER:	John F. Kacvinsky						
Total Attachments: 2 source=P40705PCT_Executed Assignment#page1.tif source=P40705PCT_Executed Assignment#page2.tif							

CH \$40.00 US2011066592

ASSIGNMENT

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

JAYANT MANGALAMPALLI; VENKAT R. GOKULRANGAN

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 International application entitled:

SECURE DIRECT MEMORY ACCESS

(I hereby authorize and request my attorney, associated with Customer Number 57035, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 21, 2011 as

International Application Number PCT/US2011/066592 and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said International application and all related applications (e.g. national phase applications, divisional applications, continuation applications, reexaminations, reissues, and the like) that have been or shall be filed in the United States and/or all foreign countries on said inventions and improvements, as well as in and to all rights of priority resulting from the filing of said International application;

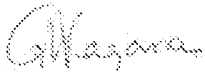
agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and 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

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.



JAYANT MANGALAMPALLI

2/1/2012
(Today's Date)



VENKAT R. GOKULRANGAN

2/6/2012
(Today's Date)