

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>Sasikanth Manipatruni</td> <td>06/28/2012</td> </tr> <tr> <td>Dmitri Nikonov</td> <td>06/28/2012</td> </tr> <tr> <td>Ian Young</td> <td>06/28/2012</td> </tr> </tbody> </table>	Name	Execution Date	Sasikanth Manipatruni	06/28/2012	Dmitri Nikonov	06/28/2012	Ian Young	06/28/2012	
Name	Execution Date								
Sasikanth Manipatruni	06/28/2012								
Dmitri Nikonov	06/28/2012								
Ian Young	06/28/2012								
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>13537541</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13537541					
Property Type	Number								
Application Number:	13537541								
CORRESPONDENCE DATA									
Fax Number:	(713)468-8883								
Phone:	512-418-9944								
Email:	tphpto@tphm.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:	Mark J. Rozman								
Address Line 1:	1616 S. Voss Road, Suite 750								
Address Line 2:	TROP, PRUNER & HU, P.C.								
Address Line 4:	Houston, TEXAS 77057								
ATTORNEY DOCKET NUMBER:	ITL.2806US								
NAME OF SUBMITTER:	E.E. "Jack" Richards, II								
Total Attachments: 2 source=ITL2806ExAssignment#page1.tif source=ITL2806ExAssignment#page2.tif									

CH \$40.00 13537541

ASSIGNMENT

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

SASIKANTH MANIPATRUNI; DMITRI NIKONOV; IAN YOUNG

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, 95054 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:

SPIN HALL EFFECT MEMORY

(I hereby authorize and request my attorney, associated with Customer Number 47795, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on June 29, 2012 as

United States Application Number 13/537,541 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

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.

Sasikanth M.

SASIKANTH MANIPATRUNI

28th June 2012

(Today's Date)

Dmitri Nikonov

DMITRI NIKONOV

06/28/2012

(Today's Date)

Ian Young

IAN YOUNG

06/28/2012

(Today's Date)