

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>Shoumeng Yen</td> <td>05/28/2012</td> </tr> <tr> <td>Xiaocheng Zhou</td> <td>05/28/2012</td> </tr> <tr> <td>Ying Gao</td> <td>05/28/2012</td> </tr> <tr> <td>Mohan Rajagopalan</td> <td>10/05/2012</td> </tr> <tr> <td>Rajiv Deodhar</td> <td>05/29/2012</td> </tr> <tr> <td>David Putzolu</td> <td>05/29/2012</td> </tr> <tr> <td>Clark Nelson</td> <td>07/09/2012</td> </tr> <tr> <td>Milind Girkar</td> <td>06/29/2012</td> </tr> <tr> <td>Robert Geva</td> <td>06/21/2012</td> </tr> <tr> <td>Tiger Chen</td> <td>05/28/2012</td> </tr> <tr> <td>Sai Luo</td> <td>05/28/2012</td> </tr> <tr> <td>Stephen Junkins</td> <td>06/08/2012</td> </tr> <tr> <td>Bratin Saha</td> <td>06/25/2012</td> </tr> <tr> <td>Ravi Narayanaswamy</td> <td>05/29/2012</td> </tr> <tr> <td>Patrick Xi</td> <td>10/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shoumeng Yen	05/28/2012	Xiaocheng Zhou	05/28/2012	Ying Gao	05/28/2012	Mohan Rajagopalan	10/05/2012	Rajiv Deodhar	05/29/2012	David Putzolu	05/29/2012	Clark Nelson	07/09/2012	Milind Girkar	06/29/2012	Robert Geva	06/21/2012	Tiger Chen	05/28/2012	Sai Luo	05/28/2012	Stephen Junkins	06/08/2012	Bratin Saha	06/25/2012	Ravi Narayanaswamy	05/29/2012	Patrick Xi	10/18/2012
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Ravi Narayanaswamy	05/29/2012																																
Patrick Xi	10/18/2012																																
RECEIVING PARTY DATA																																	
Name:	Intel Corporation																																
Street Address:	2200 Mission College Blvd.																																
City:	Santa Clara																																
State/Country:	CALIFORNIA																																
Postal Code:	95054																																
PROPERTY NUMBERS Total: 1																																	
Property Type	Number																																
Application Number:	13504972																																
CORRESPONDENCE DATA																																	

CH \$40.00 13504972

Fax Number: 6123328352
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 215-230-5511
Email: jmundt@cpaglobal.com
Correspondent Name: Ryder, Lu, Mazzeo and Konieczny, LLC
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Address Line 2: P O Box 52050
Address Line 4: Minneapolis, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	P29934US
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NAME OF SUBMITTER:	Douglas J. Ryder
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Total Attachments: 14
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ASSIGNMENT

WHEREAS, We, Shoumeng Yan, residing at 19-6-101, LongJinYuan Dong 5, HuiLongGuan, ChangPing District, Beijing 100080, China, and Xiaocheng Zhou, residing at 8F, Raycom Infotech Park A No.2, Kexueyuan South Road, Zhong Guan Cun, Beijing 100080, China, and Ying Gao, residing at 8F, Raycom Infotech Park A No.2, Kexueyuan South Road, Zhong Guan Cun, Beijing 100080, China, and Mohan Rajagopalan, residing at 800 High School Way, 236, Mountain View, CA, 94040 US, and Rajiv Deodhar, residing at 15026 S 20th St, Phoenix, AZ 85048, US, and David Putzolu, residing at 1255 NW 228th Ave, Hillsboro, OR 97124, US, and Clark Nelson, residing at 529 NE 49th Ave, Hillsboro, OR 97124, US, and Milind Girkar, residing at 1049 W Olive Ave #3, Sunnyvale, CA 94086, US, and Robert Geva, residing at 10640 Madrid Rd, Cupertino, CA 95014 US, and Tiger Chen, residing at R8-301, Building 28 Anxiangli community, Chaoyang district, Beijing 100101, China, and Sai Luo, residing at 7-415, 107#, ZhongGuanCun East Road, Beijing 100080, China, and Stephen Junkins, residing at 851 NW Federal Street, Bend, OR 97701 US, and Bratin Saha, residing at 931 Cole Place, Santa Clara, CA 95054 US, and Ravi Narayanaswamy, residing at 1336 Muench Ct, San Jose, CA 95131 US, and Patrick Xi, residing at Room 8-601, No.400, Beishi Rd., Shanghai 200333 China, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on April 30, 2012, which application was assigned U.S. patent application serial number 13/504,972, and is entitled TWO WAY COMMUNICATION SUPPORT FOR HETEROGENOUS PROCESSORS OF A COMPUTER PLATFORM;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said

Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2012.

Shoumeng Yan
Shoumeng Yan

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2012.

Xiaocheng Zhou

Xiaocheng Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2012.

Ying Gao

Ying Gao

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Mohan Rajagopalan

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Rajiv Deodhar

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

David Putzolu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Clark Nelson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Milind Girkar

Docket No: P29934
Serial Number: 13/504,972
Filing Date: April 30, 2012
Page 3 of 4

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Xiaocheng Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Ying Gao

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of Oct, 2012.

R. Mohan

Mohan Rajagopalan

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Rajiv Deodhar

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

David Putzolu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Clark Nelson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Milind Girkar

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Xiaocheng Zhou

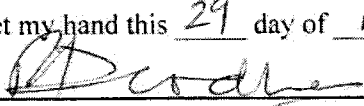
IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Ying Gao

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Mohan Rajagopalan

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of May, 2012.



Rajiv Deodhar

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

David Putzolu

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Clark Nelson

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Milind Girkar

Docket No: P29934
Serial Number: 13/504,972
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Page 3 of 4

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Xiaocheng Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Ying Gao

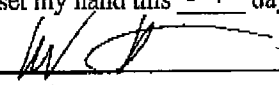
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Mohan Rajagopalan

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Rajiv Deodhar

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of MAY, 2012.



David Putzolu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Clark Nelson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Milind Girkar

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Xiaocheng Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Ying Gao

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Mohan Rajagopalan

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Rajiv Deodhar

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

David Putzolu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of July, 2012.

Clark Nelson

Clark Nelson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Milind Girkar

Docket No: P29934
Serial Number: 13/304,972
Filing Date: April 30, 2012
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IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Xiaocheng Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Ying Gao

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Mohan Rajagopalan

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Rajiv Deodhar

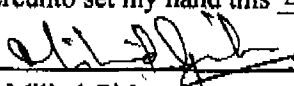
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

David Putzolu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Clark Nelson

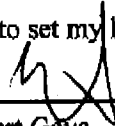
IN TESTIMONY WHEREOF, I have hereunto set my hand this 29th day of June, 2012.



Milind Girkar

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of JUNE, 2012.



Robert Geva

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Tiger Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Sai Luo

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Stephen Junkins

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Bratin Saha

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Ravi Narayanaswamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Patrick Xi

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Robert Geva

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2012.

Chen Ma

Tiger Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2012.

Sai Luo

Sai Luo

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Stephen Junkins

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Bratin Saha

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Ravi Narayanaswamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Patrick Xi

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Robert Geva

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Tiger Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Sai Luo

IN TESTIMONY WHEREOF, I have hereunto set my hand this ^{8th} day of June, 2012.



Stephen Junkins

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Bratin Saha

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Ravi Narayanaswamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2012.

Patrick Xi

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Robert Geva

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Tiger Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Sai Luo

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Stephen Junkins

IN TESTIMONY WHEREOF, I have hereunto set my hand this 25 day of Jun, 2012.

Bratin Saha

Bratin Saha

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Ravi Narayanaswamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Patrick Xi

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Robert Geva

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Tiger Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Sai Luo

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Stephen Junkins

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Bratin Saha

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of May, 2012.

Ravi

Ravi Narayanaswamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Patrick Xi

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Robert Geva

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Tiger Chen

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Sai Luo

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Stephen Junkins

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Bratin Saha

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2012.

Ravi Narayanaswamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of Oct, 2012.



Patrick Xi