

## 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>Gilles A. Pokam</td> <td>08/15/2013</td> </tr> <tr> <td>Rolf Kassa</td> <td>04/10/2013</td> </tr> <tr> <td>Klaus Danne</td> <td>04/10/2013</td> </tr> <tr> <td>Tim Kranich</td> <td>04/10/2013</td> </tr> <tr> <td>Cristiano L. Pereira</td> <td>08/15/2013</td> </tr> <tr> <td>Justin E. Gottschlich</td> <td>04/10/2013</td> </tr> <tr> <td>Shiliang Hu</td> <td>06/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Gilles A. Pokam	08/15/2013	Rolf Kassa	04/10/2013	Klaus Danne	04/10/2013	Tim Kranich	04/10/2013	Cristiano L. Pereira	08/15/2013	Justin E. Gottschlich	04/10/2013	Shiliang Hu	06/18/2013
Name	Execution Date																
Gilles A. Pokam	08/15/2013																
Rolf Kassa	04/10/2013																
Klaus Danne	04/10/2013																
Tim Kranich	04/10/2013																
Cristiano L. Pereira	08/15/2013																
Justin E. Gottschlich	04/10/2013																
Shiliang Hu	06/18/2013																
RECEIVING PARTY DATA																	
Name:	Intel Corporation																
Street Address:	2200 Mission College Boulevard																
City:	Santa Clara																
State/Country:	CALIFORNIA																
Postal Code:	95054																
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>13844817</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13844817												
Property Type	Number																
Application Number:	13844817																
CORRESPONDENCE DATA																	
Fax Number:	5123912173																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	512.236.2023																
Email:	rdewanipdocket@jw.com																
Correspondent Name:	Jackson Walker L.L.P.																
Address Line 1:	100 Congress Avenue																
Address Line 2:	Suite 1100																
Address Line 4:	Austin, TEXAS 78701																
ATTORNEY DOCKET NUMBER:	P51022 (JW024)																

CH \$40.00 13844817

NAME OF SUBMITTER:	Mindy Mayer
Signature:	/mindy mayer/
Date:	09/12/2013
<b>Total Attachments: 8</b> source=P51022_Assignment#page1.tif source=P51022_Assignment#page2.tif source=P51022_Assignment#page3.tif source=P51022_Assignment#page4.tif source=P51022_Assignment#page5.tif source=P51022_Assignment#page6.tif source=P51022_Assignment#page7.tif source=P51022_Assignment#page8.tif	

## **ASSIGNMENT**

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

**GILLES A. POKAM  
ROLF KASSA  
KLAUS DANNE  
TIM KRANICH  
CRISTIANO L. PEREIRA  
JUSTIN E. GOTTSCHLICH  
SHILIANG HU**

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:

### **SHARED MEMORY INTERLEAVINGS FOR INSTRUCTION ATOMICITY VIOLATIONS**

**(I hereby authorize and request my attorney, associated with Customer Number 109102, to insert on the designated line below, the filing date of said application when known.)**

which was filed on March 16, 2013 as

United States Application Number 13/844,817 and

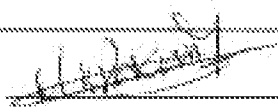
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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.

NAME OF FIRST INVENTOR	GILLES A. POKAM
SIGNATURE OF FIRST INVENTOR	
DATE	08/15/2013

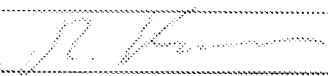
NAME OF SECOND INVENTOR	ROLF KASSA
SIGNATURE OF SECOND INVENTOR	_____
DATE	_____

NAME OF THIRD INVENTOR	KLAUS DANNE
SIGNATURE OF THIRD INVENTOR	_____
DATE	_____

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 representative 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 representative; 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.

NAME OF FIRST INVENTOR	GILLES A. POKAM
SIGNATURE OF FIRST INVENTOR	_____
DATE	_____

NAME OF SECOND INVENTOR	ROLF KASSA
SIGNATURE OF SECOND INVENTOR	
DATE	2013/04/10

NAME OF THIRD INVENTOR	KLAUS DANNE
SIGNATURE OF THIRD INVENTOR	_____
DATE	_____

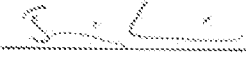
design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, 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.

NAME OF FIRST INVENTOR	GILLES A. POKAM
SIGNATURE OF FIRST INVENTOR	_____
DATE	_____

NAME OF SECOND INVENTOR	ROLF KASSA
SIGNATURE OF SECOND INVENTOR	_____
DATE	_____

NAME OF THIRD INVENTOR	KLAUS DANNE
SIGNATURE OF THIRD INVENTOR	<i>Klaus Danne</i>
DATE	<i>April 10<sup>th</sup>, 2013</i>


NAME OF FOURTH INVENTOR	TIM KRANICH
SIGNATURE OF FOURTH INVENTOR	
DATE	April 10 <sup>th</sup> , 2012

NAME OF FIFTH INVENTOR	CRISTIANO L. PEREIRA
SIGNATURE OF FIFTH INVENTOR	_____
DATE	_____

NAME OF SIXTH INVENTOR	JUSTIN E. GOTTSCHLICH
SIGNATURE OF SIXTH INVENTOR	_____
DATE	_____

NAME OF SEVENTH INVENTOR	SHILIANG HU
SIGNATURE OF SEVENTH INVENTOR	_____
DATE	_____

NAME OF FOURTH INVENTOR	TIM KRANICH
SIGNATURE OF FOURTH INVENTOR	_____
DATE	_____

NAME OF FIFTH INVENTOR	CRISTIANO L. PEREIRA
SIGNATURE OF FIFTH INVENTOR	
DATE	8/15/2013

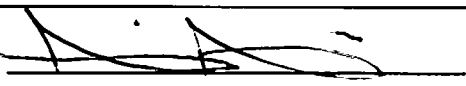
NAME OF SIXTH INVENTOR	JUSTIN E. GOTTSCHLICH
SIGNATURE OF SIXTH INVENTOR	_____
DATE	_____

NAME OF SEVENTH INVENTOR	SHILIANG HU
SIGNATURE OF SEVENTH INVENTOR	_____
DATE	_____



<b>NAME OF FOURTH INVENTOR</b>	<b>TIM KRANICH</b>
<b>SIGNATURE OF FOURTH INVENTOR</b>	_____
<b>DATE</b>	_____

<b>NAME OF FIFTH INVENTOR</b>	<b>CRISTIANO L. PEREIRA</b>
<b>SIGNATURE OF FIFTH INVENTOR</b>	_____
<b>DATE</b>	_____

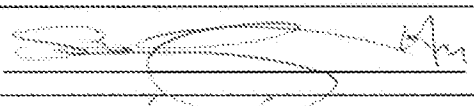
<b>NAME OF SIXTH INVENTOR</b>	<b>JUSTIN E. GOTTSCHLICH</b>
<b>SIGNATURE OF SIXTH INVENTOR</b>	
<b>DATE</b>	<u>4/10/2013</u>

<b>NAME OF SEVENTH INVENTOR</b>	<b>SHILIANG HU</b>
<b>SIGNATURE OF SEVENTH INVENTOR</b>	_____
<b>DATE</b>	_____

NAME OF FOURTH INVENTOR	TIM KRANICH
SIGNATURE OF FOURTH INVENTOR	_____
DATE	_____

NAME OF FIFTH INVENTOR	CRISTIANO L. PEREIRA
SIGNATURE OF FIFTH INVENTOR	_____
DATE	_____

NAME OF SIXTH INVENTOR	JUSTIN E. GOTTSCHLICH
SIGNATURE OF SIXTH INVENTOR	_____
DATE	_____

NAME OF SEVENTH INVENTOR	SHILIANG HU
SIGNATURE OF SEVENTH INVENTOR	
DATE	06/18/2013