

## 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>Jayashankar Bharadwaj</td> <td>06/12/2013</td> </tr> <tr> <td>Nalini Vasudevan</td> <td>06/10/2013</td> </tr> <tr> <td>Albert Hartono</td> <td>06/10/2013</td> </tr> <tr> <td>Sara S. Baghsorkhi</td> <td>06/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jayashankar Bharadwaj	06/12/2013	Nalini Vasudevan	06/10/2013	Albert Hartono	06/10/2013	Sara S. Baghsorkhi	06/10/2013
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Jayashankar Bharadwaj	06/12/2013										
Nalini Vasudevan	06/10/2013										
Albert Hartono	06/10/2013										
Sara S. Baghsorkhi	06/10/2013										
RECEIVING PARTY DATA											
Name:	Intel Corporation										
Street Address:	2200 Mission College Boulevard										
City:	Santa Clara										
State/Country:	CALIFORNIA										
Postal Code:	95052										
PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13994062</td> </tr> <tr> <td>PCT Number:</td> <td>US1332111</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13994062	PCT Number:	US1332111				
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Application Number:	13994062										
PCT Number:	US1332111										
CORRESPONDENCE DATA											
Fax Number:	3125809696										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	312-580-1020										
Email:	kjacklin@hfzlaw.com										
Correspondent Name:	Kim A. Jacklin										
Address Line 1:	150 S Wacker Drive										
Address Line 2:	Suite 2100										
Address Line 4:	Chicago, ILLINOIS 60606										
ATTORNEY DOCKET NUMBER:	P45071US										
NAME OF SUBMITTER:	Kim A. Jacklin										

OP \$80.00 13994062

Signature:	/Kim A. Jacklin/
Date:	06/20/2013
Total Attachments: 4 source=P45071_Assignement_All#page1.tif source=P45071_Assignement_All#page2.tif source=P45071_Assignement_All#page3.tif source=P45071_Assignement_All#page4.tif	

## ASSIGNMENT

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

**Jayashankar BHARADWAJ; Nalini Vasudevan; Albert HARTONO and Sara S. BAGHSORKHI**

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:

#### **METHODS AND SYSTEMS TO VECTORIZE SCALAR COMPUTER PROGRAM LOOPS HAVING LOOP-CARRIED DEPENDENCES**

(I hereby authorize and request my attorney, associated with Customer Number 75343, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on March 15, 2013 as

International Application Number PCT/US13/32111 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.

\_\_\_\_\_  
Jayashankar Bharadwaj

\_\_\_\_\_  
(Today's Date)

*Nalini V*

*6/10/2013*

\_\_\_\_\_  
Nalini Vasudevan

\_\_\_\_\_  
(Today's Date)

*[Signature]*

*6/10/2013*

\_\_\_\_\_  
Albert Harbano

\_\_\_\_\_  
(Today's Date)

*[Signature]*  
\_\_\_\_\_  
Sara S. Baghsorkhi

*6/10/2013*

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(Today's Date)

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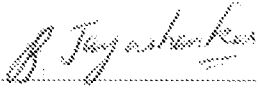
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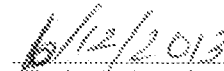
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Jayashankar Bharadwaj

  
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Albert Hartono

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