

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ahmad Faraj	05/01/2008
RECEIVING PARTY DATA	
Name:	International Business Machines Corporation
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City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504
PROPERTY NUMBERS Total: 1	
Property Type	Number
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ATTORNEY DOCKET NUMBER:	ROC920080142US1
NAME OF SUBMITTER:	Kate Hill/11010/
Signature:	/11010/
Date:	07/10/2013
Total Attachments: 1 source=ROC920080142US1_Assignment#page1.tif	

CH \$40.00 12124745

**ASSIGNMENT**

Whereas, I,

(1) AHMAD FARAJ  
County of OLMSTED

City of ROCHESTER  
and State of MINNESOTA

have invented certain improvements in

**PERFORMING AN ALLREDUCE OPERATION ON A PLURALITY OF COMPUTE NODES OF A PARALLEL COMPUTER**

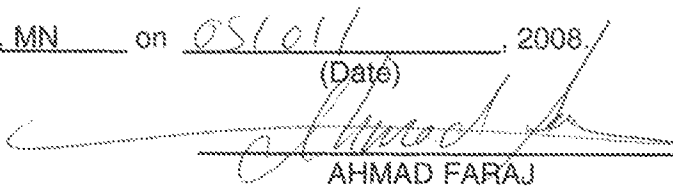
and executed, respectively, a United States patent application therefore on

(Dates Inventors Signed Declaration) (1) May 1, (2008).

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, including all rights to claim priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at Rochester, MN on 05/01, 2008  
(City) (Date)

  
AHMAD FARAJ