

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Partha Biswas	08/17/2011
John Zhao	08/17/2011
Wang Chen	08/18/2011
Yongfeng Gu	08/22/2011
RECEIVING PARTY DATA	
Name:	The MathWorks, Inc.
Street Address:	3 Apple Hill Drive
City:	Natick
State/Country:	MASSACHUSETTS
Postal Code:	01760
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13216024
CORRESPONDENCE DATA	
Fax Number:	(617)951-3927
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	617-951-2500
Email:	Docket@c-m.com
Correspondent Name:	Cesari and McKenna, LLP
Address Line 1:	88 Black Falcon Ave
Address Line 2:	Suite 271
Address Line 4:	Boston, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	130051-0080
NAME OF SUBMITTER:	Michael R. Reinemann
Total Attachments: 4 source=24F1891#page1.tif source=24F1891#page2.tif source=24F1891#page3.tif source=24F1891#page4.tif	

CH \$40.00 13216024

ASSIGNMENT

Whereas We, Partha Biswas, whose residence address is 9 Post Oak Lane, Apt. 16, Natick, MA, 01760, John Zhao, whose residence address is 59 Bridge Street, Newton, MA, 02458, Wang Chen, whose residence address is 1856 Beacon Street, Apt. 3A, Brookline, MA, 02445 and Yongfeng Gu, whose residence address is 270 Babcock Street, Apt. 8H, Boston, MA, 02215 have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MODEL LEVEL POWER CONSUMPTION OPTIMIZATION IN HARDWARE DESCRIPTION GENERATION, identified by Cesari and McKenna File No. 130051-0080, which application was executed by us on August 22, 2011; and

Whereas The MathWorks, Inc., whose address is 3 Apple Hill Drive, Natick, MA, 01760, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we, hereby, without reservation:

1. Assign, transfer and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional

consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

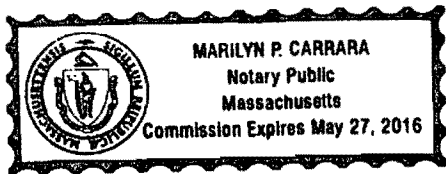
In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

Aug 17, 2011
Date

Partha Biswas
Partha Biswas, Inventor

State of Massachusetts)
County of Middlesex)ss.

On this 17th day of August, 2011, before me appeared Partha Biswas, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



[seal]

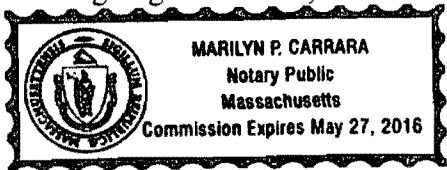
Marilyn P. Carrara
Notary Public

8/17/2011
Date

John Zhao
John Zhao, Inventor

State of Massachusetts)
County of Middlesex)ss.

On this 17th day of August, 2011, before me appeared John Zhao, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Marilyn P. Carrara
Notary Public

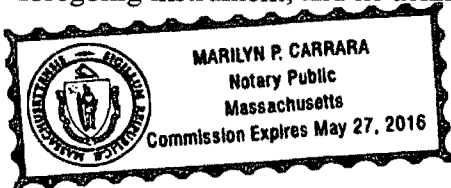
[seal]

8/18/2011
Date

Wang Chen
Wang Chen, Inventor

State of Massachusetts)
County of Middlesex)ss.

On this 18th day of August, 2011, before me appeared Wang Chen, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Marilyn P. Carrara
Notary Public

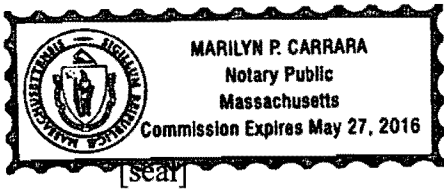
[seal]

8/22/2011
Date

Yongfeng Gu
Yongfeng Gu, Inventor

State of Massachusetts)
County of Middlesex)ss.

On this 22nd day of August, 2011, before me appeared Yongfeng Gu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Marilyn P. Carrara
Notary Public

[Seal]