

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Adrian S Butter	04/22/2008
Liang Chen	04/22/2008
Liang Ge	04/22/2008

RECEIVING PARTY DATA

Name:	International Business Machines Corporation
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12119924

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

ROC920080004US1

NAME OF SUBMITTER:

James R Nock

Total Attachments: 4

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PATENT

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**PATENT**

**REEL: 020942 FRAME: 0638**

## **ASSIGNMENT**

Whereas, we

- |     |                                       |   |
|-----|---------------------------------------|---|
| (1) | Adrian S. Butter<br>County of Broome, | City of Binghamton,<br>and State of New York, |
| (2) | Liang Chen                            | City of Shanghai,<br>and Country of China,    |
| (3) | Liang Ge                              | City of Shanghai,<br>and Country of China,    |

have invented certain improvements in

### **PROGRAMMABLE DIRECT MEMORY ACCESS CONTROLLER**

and have executed, respectively, a United States patent application therefor on

Dates Inventors


Signed	(1)	<i>April 22</i>	, 2008	(2)	, 2008
Declaration	(3)		, 2008		

And 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 therefor;

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, and all rights of 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.

**Signed**

Inventor  
(1) at Armonk, New York  
on April 22, 2008.

  
(Adrian S. Butter)

Inventor  
Signature

Inventor  
(2) at China  
on \_\_\_\_\_, 2008.

(Liang Chen)

Inventor  
Signature

Inventor  
(3) at China  
on \_\_\_\_\_, 2008.

(Liang Ge)

Inventor  
Signature

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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, and all rights of 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.

**Signed**

Inventor (1) at Armonk, New York \_\_\_\_\_ Inventor  
(1) on \_\_\_\_\_, 2008. (Adrian S. Butter) Signature

Inventor (2) at China \_\_\_\_\_ Inventor  
(2) on April 22, 2008. Liang Chen Signature  
(Liang Chen)

Inventor (3) at China \_\_\_\_\_ Inventor  
(3) on April 22, 2008. Liang Ge Signature  
(Liang Ge)