

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|---|---|-----------------------------|------------------|---------------------|------------|----------------|------------|-----------------------|------------|-------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Lakshminarayana B. Arimilli</td><td>01/31/2008</td></tr><tr><td>Robert S. Blackmore</td><td>01/31/2008</td></tr><tr><td>Chulho Kim</td><td>01/31/2008</td></tr><tr><td>Ramakrishnan Rajamony</td><td>01/31/2008</td></tr><tr><td>Hanhong Xue</td><td>01/31/2008</td></tr></table> | Name | Execution Date | Lakshminarayana B. Arimilli | 01/31/2008 | Robert S. Blackmore | 01/31/2008 | Chulho Kim | 01/31/2008 | Ramakrishnan Rajamony | 01/31/2008 | Hanhong Xue | 01/31/2008 | |
| Name | Execution Date | | | | | | | | | | | | |
| Lakshminarayana B. Arimilli | 01/31/2008 | | | | | | | | | | | | |
| Robert S. Blackmore | 01/31/2008 | | | | | | | | | | | | |
| Chulho Kim | 01/31/2008 | | | | | | | | | | | | |
| Ramakrishnan Rajamony | 01/31/2008 | | | | | | | | | | | | |
| Hanhong Xue | 01/31/2008 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table><tr><td>Name:</td><td>International Business Machines Corporation</td></tr><tr><td>Street Address:</td><td>New Orchard Road</td></tr><tr><td>City:</td><td>Armonk</td></tr><tr><td>State/Country:</td><td>NEW YORK</td></tr><tr><td>Postal Code:</td><td>10504</td></tr></table> | Name: | International Business Machines Corporation | Street Address: | New Orchard Road | City: | Armonk | State/Country: | NEW YORK | Postal Code: | 10504 | | | |
| Name: | International Business Machines Corporation | | | | | | | | | | | | |
| Street Address: | New Orchard Road | | | | | | | | | | | | |
| City: | Armonk | | | | | | | | | | | | |
| State/Country: | NEW YORK | | | | | | | | | | | | |
| Postal Code: | 10504 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>12024585</td></tr></table> | Property Type | Number | Application Number: | 12024585 | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12024585 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| Phone: 512-343-6116 | | | | | | | | | | | | | |
| Email: Kammerdiener@DillonYudell.com | | | | | | | | | | | | | |
| Correspondent Name: Dillon & Yudell LLP | | | | | | | | | | | | | |
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| Address Line 2: Suite 2110 | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | AUS920070337US1 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Eustace P. Isidore | | | | | | | | | | | | |

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PATENT
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Total Attachments: 4

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PATENT

REEL: 020612 FRAME: 0673

ASSIGNMENT

Whereas, we,

- | | |
|--|--|
| (1) <u>LAKSHMINARAYANA B. ARIMILLI</u> County of TRAVIS | of AUSTIN and State of TEXAS |
| (2) <u>ROBERT S. BLACKMORE</u> County of DUTCHESS | of POUGHKEEPSIE and State of NEW YORK |
| (3) <u>CHULHO KIM</u> County of DUTCHESS | of POUGHKEEPSIE and State of NEW YORK |
| (4) <u>RAMAKRISHNAN RAJAMONY</u> County of TRAVIS | of AUSTIN and State of TEXAS |
| (5) <u>HANHONG XUE</u> County of DUTCHESS | of WAPPINGERS FALLS and State of NEW YORK |

have invented certain improvements in

MECHANISM TO PERFORM DEBUGGING OF GLOBAL SHARED MEMORY (GSM) OPERATIONS

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

(Dates Inventors Signed Declaration) (1) 1/31, 2008; (2) _____, 2008; (3) _____, 2008;
(4) 1-31-, 2008; (5) _____, 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 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.

(1) Signed at Austin, Tx on 1/31, 2008.
(City) (Date)
L. Balu Arimilli
LAKSHMINARAYANA B. ARIMILLI

(2) Signed at _____ on _____, 2008.
(City) (Date)

ROBERT S. BLACKMORE

(3) Signed at _____ on _____, 2008.
(City) (Date)

CHULHO KIM

(4) Signed at Austin, Tx on 1-31-, 2008.
(City) (Date)
Ramakrishnan Rajamony
RAMAKRISHNAN RAJAMONY

(5) Signed at _____ on _____, 2008.
(City) (Date)

HANHONG XUE

Atty. Dkt. No.: AUS920070337US1

A S S I G N M E N T

Whereas, we,

- | | |
|---|---|
| (1) <u>LAKSHMINARAYANA B. ARIMILLI</u> County of TRAVIS | of AUSTIN and State of TEXAS |
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| (5) <u>HANHONG XUE</u> County of DUTCHESS | of POUGHKEEPSIE ^{POUGHKEEPSIE} WAPPINGERS FALLS ⁽¹¹⁾ and State of NEW YORK |

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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, including 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.

Atty. Dkt. No.: AUS920070337US1

(1) Signed at _____
_____, 2008.
(City)

on
(Date)

LAKSHMINARAYANA B. ARIMILLI

(2) Signed at Poughkeepsie NY
Jan 31, 2008.
(City)

on
(Date)


ROBERT S. BLACKMORE

(3) Signed at Poughkeepsie,
New York, 2008.
(City)

on
(Date) Jan 31, 2008


CHULHO KIM

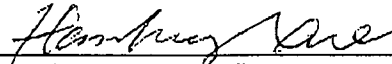
(4) Signed at _____
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(Date)

RAMAKRISHNAN RAJAMONY

(5) Signed at Poughkeepsie
New York, 2008.
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on
(Date) Jan 31, 2008


HANHONG XUE

PATENT