

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RONALD HALL	08/11/2008
MICHAEL L. KARM	08/11/2008
ALVAN W. NG	08/15/2008
TODD A. VENTON	08/11/2008

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:	12132494

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AUS920060329US2

NAME OF SUBMITTER:

EUSTACE P. ISIDORE

Total Attachments: 2

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PATENT

REEL: 021404 FRAME: 0232

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CH \$40.00 12132494

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ASSIGNMENT

Whereas, we,

- (1) **RONALD HALL** of CEDAR PARK
County of WILLIAMSON and State of TEXAS
- (2) **MICHAEL L. KARM** of CEDAR PARK
County of WILLIAMSON and State of TEXAS
- (3) **ALVAN W. NG** of AUSTIN
County of TRAVIS and State of TEXAS
- (4) **TODD A. VENTON** of AUSTIN
County of TRAVIS and State of TEXAS

have invented certain improvements in

**DESIGN STRUCTURE FOR DYNAMIC LIVELOCK RESOLUTION WITH VARIABLE DELAY
MEMORY ACCESS QUEUE**

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

(Dates Inventors Signed Declaration) (1) Aug 11, (2008); (2) Aug 11, (2008);
(3) Aug 15, (2008); (4) Aug 11, (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, 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.

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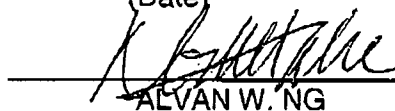
(1) Signed at Austin on Aug 11, 2008.
(City) (Date)


RONALD HALL

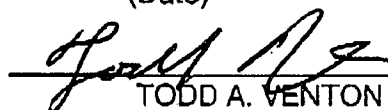
(2) Signed at Austin on Aug 11, 2008.
(City) (Date)


MICHAEL L. KARM

(3) Signed at Austin on Aug 15, 2008.
(City) (Date)


ALVAN W. NG

(4) Signed at Austin on Aug 11, 2008.
(City) (Date)


TODD A. VENTON