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08-22-2001

cket No. AUS920010470US1



101820221

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

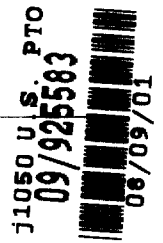
1. Name of conveying party(ies):

VIVEK KASHYAP
DANNY MARVIN NEAL
GREGORY FRANCIS PFISTER
RENATO JOHN RECIO

08/09/01

2. Name and address of receiving party(ies):

International Business Machines Corporation
New Orchard Road
Armonk, New York 10504



3. Nature of conveyance:

X Assignment

Execution Date: 7/27/01, 7/31/01, 8/1/01, 8/6/01

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is 7/27/01, 7/31/01, 8/1/01, 8/6/01

A. Patent Application(s) 09/925583 B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Casimer K. Salys
IBM Corporation
Intellectual Property Law
Internal Zip 4054
11400 Burnet Road
Austin, TX 78758
(512) 823-0092

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

X Authorized to be charged to deposit account

8. Deposit account number:

09-0447

08/21/2001 AWNED1 00000039 090447 09925583
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Casimer K. Salys
Name of Person Signing

Casimer K. Salys
Signature

8/7/01
Date

Total number of pages including cover sheet: 5

A S S I G N M E N T

Whereas, we,

(1) Vivek Kashyap of Beaverton
 County of Washington and State of Oregon

and

(2) Danny Marvin Neal of Round Rock
 County of Williamson and State of Texas

and

(3) Gregory Francis Pfister of Austin
 County of Travis and State of Texas

and

(4) Renato John Recio of Austin
 County of Travis and State of Texas

have invented certain improvements in

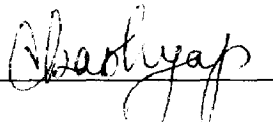
Queue Pair Resolution in InfiniBand Fabrics

and executed, respectively, a United States patent application therefore on
 (Dates Inventors Signed Declaration) (1) 27 July 2001, 2001, (2)
 _____, 2001, (3) _____, 2001, and (4)
 _____, 2001.

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 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 Beaverton, OR on 27 July, 2001.


 Vivek Kashyap

and (2) Signed at _____ on _____, 2001.

Danny Marvin Neal

and (3) Signed at _____ on _____, 2001.

Gregory Francis Pfister

and (4) Signed at _____ on _____, 2001.

Renato John Recio

A S S I G N M E N T

Whereas, we,

(1) Vivek Kashyap of Beaverton
 County of Washington and State of Oregon

and

(2) Danny Marvin Neal of Round Rock
 County of Williamson and State of Texas

and

(3) Gregory Francis Pfister of Austin
 County of Travis and State of Texas

and

(4) Renato John Recio of Austin
 County of Travis and State of Texas

have invented certain improvements in

Queue Pair Resolution in InfiniBand Fabrics

and executed, respectively, a United States patent application therefore on
 (Dates Inventors Signed Declaration) (1) _____, 2001, (2)
July 31, 2001, (3) 8/1, 2001, and (4)
8/16, 2001.

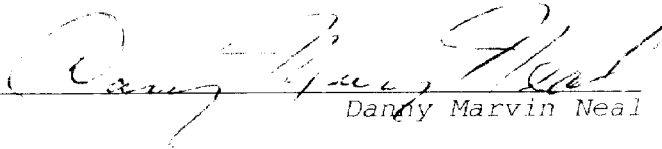
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

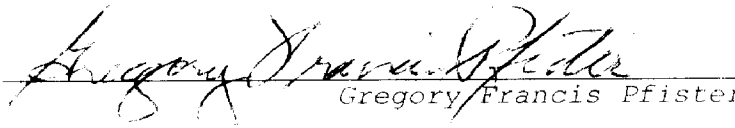
(1) Signed at _____ on _____, 2001.

 Vivek Kashyap

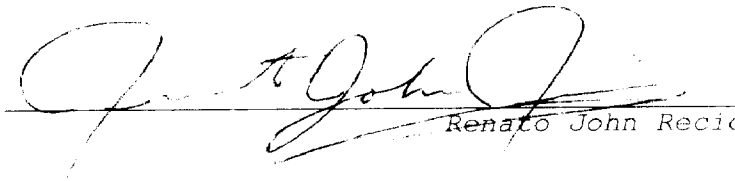
and (2) Signed at Austin Tx on July 31, 2001.


Darryl Marvin Neal

and (3) Signed at AUSTIN, TX on AUG 1, 2001.


Gregory Francis Pfister

and (4) Signed at Austin, TX on 8/6, 2001.


Renato John Recio