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1. Name of conveying party(ies):

- 1) Brian D. Goodman
- 2) Frank L. Jania
- 3) James K. Kebinger
- 4) Darren M. Shaw

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other

Execution Date: 1) 12/13/05 2) 12/12/05
3) 12/13/05 4) 12/13/05

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

Name: International Business Machines CorporationAddress: New Orchard RoadCity: Armonk State/Prov.: NYCountry: USA ZIP: 10504

Additional name(s) & address(es)

☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

- 1) 12/13/05
- 2) 12/12/05
- 3) 12/13/05
- 4) 12/13/05

Additional numbers

☐ Yes ☒ No

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

Name: Mohammad S. Rahman, Esq.Registration No. 43,029Address: Gibb I.P. Law Firm, LLC2568-A Riva Road, Suite 30412/30/2005 ECOOPER 00000300 500510 1130343001 FE:8021 40.00 DACity: AnnapolisState/Prov.: MDCountry: USAZIP: 21401

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

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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.

Mohammad S. Rahman

Name of Person Signing

Signature

December 16, 2005

Date

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a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for **COOPERATIVE NON-REPUDIATED MESSAGE EXCHANGE IN A NETWORK ENVIRONMENT**
United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number YOR920050488US1**;

(select one): ☒ executed concurrently herewith or ☐ Serial No. _____ Filed on _____

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

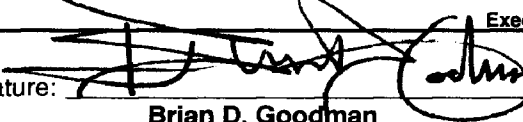
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Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

Executed by Inventor 1 of 4
Signature:  Date: 12/13/2005
Brian D. Goodman

Executed by Inventor 2 of 4

Signature:  Date: 12TH Dec 2005

Frank L. Janla

Executed by Inventor 3 of 4

Signature: _____ Date: _____

James K. Kebinger

Executed by Inventor 4 of 4

Signature: _____ Date: _____


Darren M. Shaw

PATENT
DOCKET NO. YOR920050488US1

Executed by Inventor 2 of 4

Signature: Frank L. Jania Date: _____

Executed by Inventor 3 of 4

Signature:  James K. Kebinger Date: 12/13/05

Executed by Inventor 4 of 4

Signature: Darren M. Shaw Date: _____

PATENT
DOCKET NO. YOR920050488US1

Executed by Inventor 2 of 4

Signature: Frank L. Jania Date: _____

Executed by Inventor 3 of 4

Signature: James K. Kebinger Date: _____

Executed by Inventor 4 of 4

Signature: D. Shaw Date: 12/13/05
Darren M. Shaw