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1. Name of conveying party(ies):

Nikhil Bansal and Zhen Liu

7-10-03

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date(s): April 15, 2003 and June 27, 2003

2. Name and address of receiving party(ies)

Name: International Business Machines Corporation

Internal Address:

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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:

A. Patent Application No.(s)

B. Patent No.(s)

10/402,760

Additional numbers attached? ☐ Yes ☒ No

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

Name: William E. Lewis

Internal Address: Ryan, Mason & Lewis, LLP

Street Address: 90 Forest Avenue

City: Locust Valley State: NY ZIP: 11560

6. Total number of applications and patents involved: 1

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

☐ Enclosed☒ 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.

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Signature

July 8, 2003

Date

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YOR920020351US1

PATENT
REEL: 014249 FRAME: 0467

ASSIGNMENT

Whereas, we

Inventor
and City(1) **Nikhil Bansal**
County of Alleghenyof Pittsburgh
and State of Pennsylvaniaand (2) **Zhen Liu**
County of Westchesterof Tarrytown
and State of New York

have invented certain improvements in

TITLE

ROUTING IN WIRELESS AD-HOC NETWORKS

and executed a United States patent application therefor on

DATE THAT INVENTORS
SIGNED THE
DECLARATION (1) 4/15/ 2003 and (2) _____ 2003.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 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 inventions 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
CITY (1) at PITTSBURGH, PA _____ SIGNATURE
DATE on 4/15/ 2003, (Nikhil Bansal) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed
CITY and (2) at _____, NY _____ SIGNATURE
DATE on _____ 2003, (Zhen Liu) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

Attorney Docket No. YOR920020351US**ASSIGNMENT**

Whereas, we

Inventor
and City(1) **Nikhil Bansal**
County of Alleghenyof Pittsburgh
and State of Pennsylvaniaand (2) **Zhen Liu**
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DATE THAT
INVENTORS
SIGNED THE
DECLARATION(1) _____ 2003 and (2) 3/28/2003 2003.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 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 inventions 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
CITY (1) at _____, PA _____ SIGNATURE
DATE on _____ 2003, _____
(Nikhil Bansal) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed
CITY and (2) at _____, NY _____ SIGNATURE
DATE on 6/27 2003, _____
(Zhen Liu) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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