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DEPT. OF COMMERCE

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1. Name of conveying party(ies):

Lidia Luminita Mangu, Mukund Padmanabhan

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

Yes No

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: May 29, 2001

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)

09/847,139 filed May 2, 2001

Additional numbers attached? Yes No

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

Name: Robert J. Mauri

Internal Address: Ryan, Mason & Lewis, LLP

Street Address: 1300 Post Road, Suite 205

City: Fairfield State: CT ZIP: 06430

6. Total number of applications and patents involved: 1

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

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PATENT
REEL: 012020 FRAME: 0115

ASSIGNMENT

Whereas, we

Inventor and City

(1) Lidia Luminita Mangu
County of Manhattan

of Manhattan
and State of New York

and (2) Mukund Padmanabhan
County of Westchester

of White Plains
and State of New York

have invented certain improvements in

TITLE **ERROR CORRECTIVE MECHANISMS FOR CONSENSUS DECODING OF SPEECH**

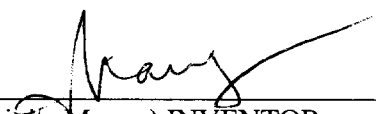
Described in United States Patent Application Serial No. 09/847,139, filed on May 2, 2001 and executed on

DATE THAT INVENTORS SIGNED THE DECLARATION (1) *29 May* 2001, and (2) *29 May* 2001

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.

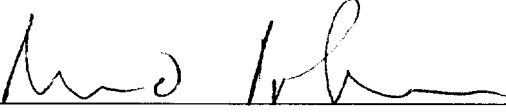
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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 Yorktown Heights, NY
DATE on *29 May* 2001



(Lidia Luminita Mangu) INVENTOR SIGNATURE
FIRST NAME MIDDLE INITIAL LAST NAME

Signed
CITY (2) at Yorktown Heights, NY
DATE on *29 May* 2001



(Mukund Padmanabhan) INVENTOR SIGNATURE
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