PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

APPLICATION NUMBER 10/063859

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name: Singh, Raminderpal

Execution Date: 05/20/2002

Name: Voldman, Steven Howard

Howard

Execution Date: 05/20/2002

RECEIVING PARTY DATA

Name: International Business Machines Corporation

Street Address: New Orchard Road

Internal Address:

City: Armonk
State: NEW YORK

Country:

Postal Code: 10504

The USPTO, Office of Public Records, will send correspondence

via facsimile to FAX NUMBER: 802-769-8938

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CUSTOMER NUMBER: 024241

NAME OF PERSON SIGNING: Richard A. Henkler /s/

DATE SIGNED: 05/20/2002

Total Attachments: 1

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PATENT REEL: 012714 FRAME: 0666

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ASSIGNMENT

Whereas, we

(1) Raminderpal Singh County of Chittenden

City of Essex Junction State of Vermont

(2) Steven Howard Voldman County of Chittenden

City of South Burlington State of Vermont

May 20th

have invented certain improvements in

Title A METHOD AND APPARATUS FOR PROVIDING NOISE SUPPRESSION IN AN INTEGRATED CIRCUIT

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) // lay 20th

RECORDED: 05/20/2002

2002; and (2

2002.

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 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 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.

Essex Junction, Vernant City Date on signature Raminderpal Singh) inventor First Name Middle Initial Last Name (2) Signed at Essex Junton, Vermont City May 20th, 2002 Date signature Voldman) Howard inventor First Name Middle Initial Last Name

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PATENT

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