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SHEET

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Constantin Michael Melas

09/18/01

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

Name: International Business Machines Corporation

Address: New Orchard Road

Additional names(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

City: Armonk

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Country: USA

ZIP: 10504

Execution Date: 08/31/01

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

If this document is being filed together with a new application, the execution date of the application is: 08/31/01

Patent Application No.

Filing date

B. Patent No.(s)

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

Name: Sean M. McGinn

Registration No. 46,060

Address: McGinn & Gibb, PLLC

8321 Old Courthouse Road

Suite 200

City: Vienna

State/Prov.: VA

Country: USA

ZIP: 22182-3817

6. Total number of applications and patents involved: 1

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

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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.

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Name of Person Signing

Signature

September 18, 2001

Date

Total number of pages including cover sheet, attachments, and document:

2

PATENT

ASSIGNMENT

Whereas, we

Inventor and City (1)Constantin Michael Melas
County of Santa Clara

City of Los Gatos
and State of California

have invented certain improvements in

Title NONLINEAR EQUALIZER AND DECODING CIRCUIT AND METHOD USING
SAME

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on
(1) 8/31 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 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.

City (1) Signed at San Jose, CA

Date on 8/31/2001

Constantin Michael Melas signature
(Constantin Michael Melas) inventor
First Name Middle Initial Last Name