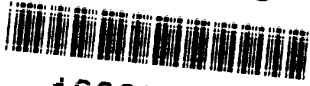


08-26-1998

Atty. Docket: FR997-039



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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): Alexander Goldin Additional name(s) of conveying party(ies) attached? ___Yes ___X_No	2. Name and address of receiving party(ies): Name: IBM Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? ___Yes ___X_No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Execution Date: 07/02/98	4. Patent Application number(s) 09/102,482 Execution Date: 07/02/98
5. Name and address of party to whom correspondence concerning document should be mailed: Name: John D. Flynn Address: IBM Corporation Intellectual Property Law D972/B656 P. O. Box 12195 3039 Cornwallis Road RTP, NC 27709	6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Charge to Deposit Account No.: 09-0464

8. Statement and signature.

08/18/1998 KBLIN:CN 09990025 030464 109108482
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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 original document.

John D. Flynn

7/30/98

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Date

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PATENT

DOCKET NUMBER: FR9-97-039

ASSIGNMENT

Whereas, I,

(1) Alexander Goldin
Isreal

have invented certain improvements in

ADAPTIVE ECHO CANCELLATION DEVICE IN A VOICE COMMUNICATION SYSTEM

and executed a United States patent application therefor on the following date:

(1) July 2, 1998; and

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 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, I, the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on the invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

LOCATION Haifa
DATE 2.07.98
SIGNATURE [Signature]
(1) _____

Alexander Goldin