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HEET

U.S. DEPARTMENT OF COMMERCE

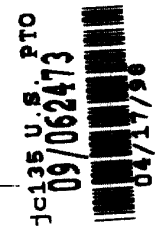
Patent and Trademark Office
Atty Docket No.: 98P7495US

100706701

To the Honorable Commissioner of Patents and Trademarks, Department of Commerce, Washington, DC 20540. Enclosed are attached original documents or copy thereof.

1. Name of conveying party(ies): MRD 4/17/98
William J. Beyda and Shmuel Shaffer
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Siemens Business Communication Systems, Inc.
Internal Address: _____
Street Address: 4900 Old Ironsides Drive
M/S 210
City: Santa Clara State: CA ZIP: 95054
Additional name(s) & address(es) attached? Yes No



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 4/15/98

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: 4/15/98
A. Patent Application No.(s) 09/062473 B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Elsa Keller
Internal Address: _____
Siemens Corporation
Intellectual Property Department
Street Address: 186 Wood Avenue South
City: Iselin State: NJ ZIP: 08830

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
8. Deposit Account No. _____
19-2179

05/07/1998 DCDATES 00000173 192179 09062473
01 FC:581 40.00 CH

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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.
Jeffrey Slusher Jeffrey Slusher 16 Apr 98
Name of Person Signing Signature Date

Total number of pages including cover sheet attachments, and document: 3 PATENT

ASSIGNMENT

For good and valuable consideration, we, William J. Beyda residing at 21580 Edward Way, Cupertino, CA 95014 and Shmuel Shaffer residing at 1211 Cowper Street, Palo Alto, CA 94301;

Hereby sell, assign and transfer to **SIEMENS BUSINESS COMMUNICATION SYSTEMS, INC.**, a corporation of the State of Delaware, having a principal place of business at 4900 Old Ironsides Drive, Santa Clara, CA 95054, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

INTELLIGENT ADAPTIVE MODULATION SYSTEM

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ACKNOWLEDGEMENTS

Shmuel Shaffer
SHMUEL SHAFFER

State of California)
) ss.:
County of)

On this 2nd day of April 1998, before me, Jacqueline Sears, a Notary Public, personally appeared Shmuel Shaffer, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Jacqueline Sears
Signature of Notary Public



ACKNOWLEDGEMENTS

William J. Beyda
WILLIAM J. BEYDA

State of California)
) ss.:
County of)

On this 15th day of April 1998, before me, Jacqueline Sears, a Notary Public, personally appeared William J. Beyda, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Jacqueline Sears
Signature of Notary Public

