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To the Honorable Commissioner of Patents and Trademarks:

one copy thereof.

1. Name of conveying party(ies):
 Wolfgang Zirwas
 Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies):
 Name: Siemens Aktiengesellschaft
 Internal Address: _____

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date 20/11/98

Street Address: Wittelsbacherplatz 2 80333 Muenchen
Germany
 Additional Name(s) & Address(es) attached Yes No

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) P98,2850 (09/200,112) B: Patent No.(s) _____
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Hill & Simpson, P.C.
85th Floor Sears Tower
233 S. Wacker Drive
Chicago, IL 60606

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 any additional fees
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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 the original document.
Steven H. Noll Steven H. Noll February 5, 1999
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ASSIGNMENT

FOR a valuable consideration, the undersigned,

residing at **WOLFGANG ZIRWAS**
Mittenwalder Str. 136
82194 Groebenzell
Germany

hereby sell, assign and transfer unto Siemens Aktiengesellschaft, Wittelsbacherplatz 2, 80333 Muenchen, Germany, a German corporation, the whole right, title and interest in and to a certain invention or improvement in

"TRANSMISSION SYSTEM FOR TRANSMITTING DIGITAL SIGNALS
ON A RADIO SUBSCRIBER LINE NETWORK"

disclosed in an application for Letters Patent of the United States, prepared by the firm of Hill & Simpson, A Professional Corporation of Chicago, Illinois, and executed of even date herewith, said application being identified in the office records of said firm as Case No. **P98,2850** and in our own records as Case No. **GR97P2944US**, and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

I hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be granted for said invention or improvements to said Siemens Aktiengesellschaft, Wittelsbacherplatz 2, 80333 Muenchen, Germany

For the same consideration, I hereby agree that I will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

DATE: 20.11.98

W. Zirwas
WOLFGANG ZIRWAS

WITNESSES:

[Signature]
Sabine Hoffmann