

09-08-1998

MRD 7-10-98

FORM PTO-  
1/31/92



100823577

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U.S. DEPARTMENT OF COMMERCE

ONLY 09/101548

Patent and Trademark Office

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

1. Name of conveying party(ies):  
**Zhongping Zhang**  
**Franz Seifert**  
**Robert Weigel**

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

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

Name: Siemens Aktiengesellschaft

Internal Address: Postfach 22 16 34

Street Address: Wittelsbacherplatz 2  
 80333 Muenchen  
 Germany

Additional Name(s) & Address(es) attached  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Dates: **February 1, 1997;**  
**February 17, 1997 and March 16, 1997**

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: 01/02/97;  
 17/02/97 and 16/03/97.

Patent Application No.(s) **P98,1545**  
**PCT/DE97/00179**

B: Patent No.(s) **09/101548**

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

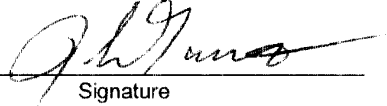
6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) . . . . . \$ 40.00  
 Enclosed  
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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.*

JOHN R. GARRETT (Reg. No. 27,888)  July 10, 1998  
 Name of Person Signing Signature Date  
 Total number of pages 3

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EXPRESS MAIL #EM362484182US dated July 10, 1998.

**A S S I G N M E N T**

For good and valuable consideration, I/we, the undersigned

**ZHANG, Zhongping**  
residing at:  
**Boschetsrieder Straße 55a**  
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**WEIGEL, Robert**  
residing at:  
**Gabelsbergerstraße 17**  
**D-80333 München**  
**Bundesrepublik Deutschland**

hereby sell, assign, and transfer to

**Siemens Aktiengesellschaft**

Munich, a German corporation organized and existing under the laws of the Federal Republic of Germany, having its principal place of business in Munich, Federal Republic of Germany herein the "Assignee", its successors, assigns and legal representatives the entire right, title and interest in and for the United States, in all and to any improvements in the

(Title:) **Codemoduliertes Übertragungsverfahren und nach diesem Übertragungsverfahren arbeitendes Übertragungssystem**


disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

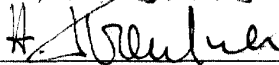
Siemens File No. **GR 96 P 8002 P US**  
and filed as PCT application

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 on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements; hereby 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

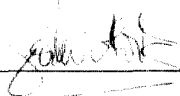
good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said 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 hereby 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 had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

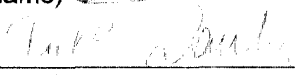
Date: 1. Feb. 1997   
 Zhongping Zhang

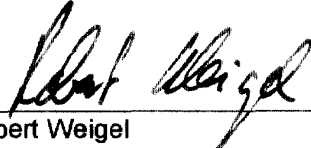
Witnesses:   
 (type name) K. BARTSCICH

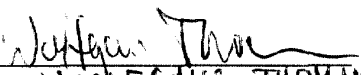
Witnesses:   
 (type name) H. KREUTNER  
 11/2/97

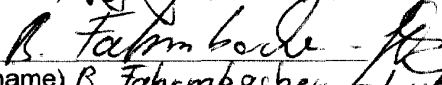
Date: 17. 02. 97   
 Franz Seifert

Witnesses:   
 (type name)

Witnesses:   
 (type name)

Date: 16. 3. 97   
 Robert Weigel

Witnesses:   
 (type name) WOLFGANG THOMANN

Witnesses:   
 (type name) B. Fahrmbacher-Lutz