

03-16-2005



102960355

AP 581 / 40

10/510520

DT05 Rec'd POT/PTO 28 SEP 2004

Docket No: 112740-973

09-28-04

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE U.S. 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): (1) Edgar Bolinrh (2) Ralf Kern Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

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

3. Nature of conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date(s)(1) 4-29-04 (2) 5-4-04

Street Address: Wittelsbacherplatz 2 City: Muenchen State: Germany Zip: 80333 Country: Germany Additional name(s) & address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s): 4-29-04 & If this document is being filed together with a new application, the execution date of the application is: 5-4-04

A. Patent Application No.(s) Additional numbers attached? [ ] Yes [X] No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed: William E. Vaughan Bell, Boyd & Lloyd LLC P.O. Box 1135 Chicago, Illinois 60690-1135

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 [X] Enclosed Authorized to be charged to deposit account 8. Deposit account number: 02-1818 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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. Patrick B. Law (Reg. No. 41,549) September 28, 2004 Name of Person Signing Sign Date

Total number of pages including cover sheet Mail documents to be recorded with reqt Commissioner of Patents & Trade Washington, DC

User is not listed

## ASSIGNMENT

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

**Edgar Bolin**  
residing at:  
**Rheindahlener Str. 88**  
**41189 Mönchengladbach**  
**GERMANY**

**Ralf Kern**  
residing at:  
**Holtwicker Str. 62A**  
**46399 Bocholt**  
**GERMANY**

hereby sell, assign, and transfer to

**Siemens Aktiengesellschaft**

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

(Title:) **Adaptive modulation and other extensions of the physical layer in multiple access systems**

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

Applicants File No.           2002P00243WOUS  
and filed as PCT-application   PCT/DE03/00830

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

IDNR: 4248 / V: 99-1.00 / B:Val

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: 29.04.2004 Edgar Bolin  
Edgar Bolin

Witnesses: Stephan Karger  
(type name) STEPHAN KARGER

Witnesses: Ludger Marwitz  
(type name) Ludger Marwitz

Date: 4.5.04 Ralf Kern  
Ralf Kern

Witnesses: Ulrich Bärner  
(type name) ULRICH BÄRNER

Witnesses: Thomas Richter  
(type name) THOMAS RICHTER