

FORM PTO-1595
(Rev. 6-93)

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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):

1.) Gunther AUER

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: DoCoMo Communications Laboratories
Europe GmbHAddress: Landsberger Str. 308-312
80687 MunichCountry: GERMANY

Additional name(s) & address(es) attached?

☐ Yes ☒ No22581 U.S. PTO
10/967044
101504

3 Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: September 13, 2004

10/15/04

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: October 15, 2004

A. Patent Application No(s): U.S.S.N.:

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John J. Penny, Jr. (Reg. No.: 36,984)
 Street Address: EDWARDS & ANGELL, LLP
 P.O. Box 55874
 City: Boston State: MA Zip: 02205
 Customer No.: 21874

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 for additional or excess fees.8. Deposit account number: 04-1105

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DO NOT USE THIS SPACE9. 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.*

John J. Penny, Jr. (Reg. No. 36,984)
 Name of Person Signing

Signature

October 15, 2004
 Date

Total number of pages including cover sheet, attachments, and documents: **2**

OMB No. 0651-0011 (exp. 4/94)

ASSIGNMENT OF US NONPROVISIONAL APPLICATION

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

DoCoMo Communications Laboratories Europe GmbH
Landsberger Str. 308-312, 80687 Munich, Germany

(hereinafter designated "ASSIGNEE") the right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

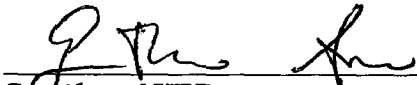
APPARATUS AND METHOD FOR ESTIMATING A CHANNEL;

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to THE said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the ASSIGNORS further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The ASSIGNORS also hereby grant the law firm of **EDWARDS & ANGELL LLP** the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this documents.

Dated this 13th day of September, 2004.



Gunther AUER

(inventor), DoCoMo Communications Laboratories
Europe GmbH