

1. Name of conveying party(ies):  
 Michael JOHAM  
 Josef NOSSEK  
 Wolfgang UTSCHICK
 12/7/01
2. Name and Address of receiving party(ies):  
 SIEMENS AKTIENGESELLSCHAFT  
 Munich, GERMANY
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_  
 Execution Date(s): October 29, 2001
4. Application number(s) or patent number(s):  
 This document is being filed together with a new application:  
 (a) The execution date(s) of the application is/are:  
 (b) The title is:  
OR  
 This document is being filed after filing of the application:  
 (a) Patent Application No(s). 09/958,841, filed October 15, 2001; or  
 (b) Patent No(s). , issued . ~~\_\_\_\_\_~~
5. Name and address of party to whom correspondence concerning document should be mailed:  
 STAAS & HALSEY LLP Our Docket: 1454.1104  
 Attention: Richard A. Gollhofer  
 700 Eleventh Street, N.W., Suite 500  
 Washington, D.C. 20001
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)  
 Enclosed  
 Authorized to be charged to deposit account.
8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
 (Attach duplicate copy of this page if paying by deposit account)
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.*

Richard A. Gollhofer, Reg. No. 31,106  
 Name of Person Signing

Richard A. Gollhofer 12/5/01  
 Signature Date

Total number of pages including cover sheet: 3

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ASSIGNMENT

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

**MICHAEL JOHAM**  
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hereby sell, assign, and transfer to

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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:) **Beam shaping method for the downlink for base stations in radio communication 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. 1999P08036WOUS  
and filed as PCT-application PCT/DE00/01119

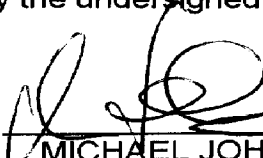
and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued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

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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.

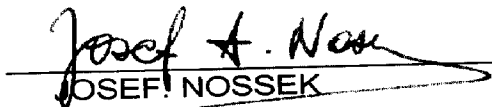
Date: 10/29/01

  
 \_\_\_\_\_  
 MICHAEL JOHAM

Witnesses: Roswitha Zelt  
 (type name) Roswitha Zelt

Witnesses: Manfred Gloger  
 (type name) Manfred Gloger


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 WOLFGANG UTSCHICK

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Witnesses: Manfred Gloger  
 (type name) Manfred Gloger