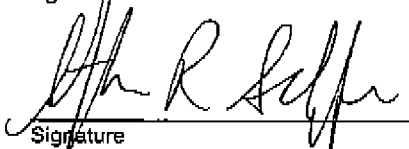


Substitute Form PTO-1595  
Attorney Docket No.: 13909-067001 / 2002P00225 US

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Attorney's Docket No.: 13909-067001  
SAP Ref. No.: 2002P00225 US; 2002E00266 DE  
Page 1 of 1

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Elmar Dörner and Markus Grossmann, hereby sell, assign, and transfer to SAP Aktiengesellschaft, a German Corporation, having offices located at Neuhofstrasse 16, D-69190 Walldorf, Germany, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

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and which is found in

- (a)      U.S. patent application executed on                     , entitled as above, listing the above named person as inventor.
- (b)   X   U.S. patent application filed on   9/3/2002    
[ X ] under Application No.   10/232,809    
[   ] with Express Mail No.                      (Application Number not yet known).
- (c)      U.S. Patent No.:                     , issued                     .

An attorney of record, or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this assignment the execution date of the application and/or the filing date and serial number of the application when officially known.

This assignment includes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing therefrom; all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNORS authorize ASSIGNEE to apply in all countries in the names of ASSIGNORS or in the name of ASSIGNEE for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment.

ASSIGNORS further covenant for themselves and their respective heirs, legal representatives and assigns to provide to ASSIGNEE promptly upon the request of ASSIGNEE all pertinent facts and documents relating to said invention and said patents and legal equivalents as may be known and accessible to ASSIGNORS and to testify as to the same in any interference, litigation, or proceeding relating thereto and promptly to execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said inventions and improvements and said patents and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS request the United States Patent and Trademark Office to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

Inventor's Signature

Elmar Dörner  
ELMAR DÖRNER

Witnessed by:

Nadine Heitmann  
Signature

NADINE HEITMANN  
Print Name

28 July 2003  
Date

Inventor's Signature

Markus Grossmann  
MARKUS GROSSMANN

Witnessed by:

Barbara Grossmann  
Signature

BARBARA GROSSMANN  
Print Name

3 August 2003  
Date