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## Commission Patents: Please record the attached original document(s) or copy(ies). 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): Michael Rey, Peter Haffner, Rolf Schumann, SAP AKTIENGESELLSCHAFT Gunther Piller, Peter Schwarz and Markus Intellectual Property Department Brandenburger Neurottstrasse 16 69190 Walldorf Additional name(s) attached? ☐ Yes ☑ No Germany 3. Nature of conveyance: ☑ Assignment □ Merger ☐ Security Agreement □ Change of Name □ Other: Additional names/addresses attached? ☐ Yes ☑ No Execution Date: 04/22/2003 by Michael Rey, Peter Haffner, Rolf Schumann, Peter Schwarz, and Markus Brandenburger; 04/30/2003 by Gunther Piller 4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: B: Patent No(s).: A. Patent Application No(s).: 10/400,172 Additional numbers attached? ☐ Yes ☑ No 5. Name/address of party to whom correspondence concerning 6. Total number of applications/patents involved: 1 document should be mailed: Fish & Richardson P.C. 7. Total fee (37 CFR §3.41): \$40 60 South Sixth Street 3300 Dain Rauscher Plaza ☐ Authorized to charge Deposit Account. Minneapolis, MN 55402 8. Deposit Account No.: Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. DO NOT USE THIS SPACE 07/08/2003 DRYRNE 00000114 10400172 01 FC:8021 40,00 MP 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. Spencer C. Patterson Reg. No. 43,849 Name of Person Signing ignature

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## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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PATENT REEL: 014238 FRAME: 0129

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## **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Michael Rey, Peter Haffner, Rolf Schumann, Gunther Piller, Peter Schwarz and Markus Brandenburger, hereby sell, assign, and transfer to SAP Aktiengesellschaft, a German Corporation, having offices located at Neurottstrasse 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	۲.
(b)	X	U.S. patent application filed on 3/26/2003  [ X ] under Application No. 10/400,172  [ ] 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 requests the United States Patent and Trademark Office to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

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Inventor's Signat Witnessed by:	Signature  Peter Schrover	72 April 2003 Date
Inventor's Signat Witnessed by:	Print Name  Ure Pate Made  PETER HAFFNER  Signature  Print Name	22.04.2003 Date
Inventor's Signat Witnessed by:	ROLF SCHUMANN  Ticlael R  Signature  REY MICHAEL  Print Name	<u>22.04.2003</u> Date
Inventor's Signat Witnessed by:	Signature  Print Name  Sture  REY MICHAEL  Print Name	<u>उ</u> ०.५. ७७ <sub>Date</sub>
Inventor's Signat Witnessed by:	i// C/ 2	<u> </u>

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Inventor's Signature

Witnessed by:

MARKUS BRANDENBURGER

Richael Ky Signature

<u>22.04.2002</u> Date

Print Name

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