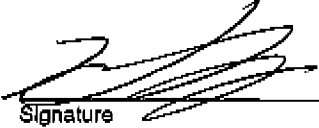


Substitute Form PTO-1595
Attorney Docket No.: 13907-028001 / 2003P00003 US

RECORDATION FORM COVER SHEET
PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Andreas Muecklich, Markus Breiter, Wolfgang Kalthoff and Uwe Fischer Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): SAP AKTIENGESELLSCHAFT Neurottstrasse 16 69190 Walldorf Germany Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: December 5, 2003	
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: A. Patent Application No(s): 10/278,736 B: Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: PTO Customer Number 32864	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR \$3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
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CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

December 10, 2003
Date of Transmission

Debra L. Miedema
Signature

Debra L. Miedema
Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, we, Andreas Muecklich, Markus Breiter, Wolfgang Kalthoff and Uwe Fischer, hereby assign to SAP Aktiengesellschaft, a German Corporation, having a place of business at Neurotstrasse 16, D-69190 Walldorf, Germany, and its successors, and assigns (collectively, "the ASSIGNEE") our entire right, title and interest throughout the world in the inventions and improvements that are the subject of a patent document entitled

CHANGE-DRIVEN REPLICATION OF DATA

and which is found in

U.S. patent application filed on October 23, 2002
[x] under Application No. 10/278,736
[] with Express Mail No. _____ (Application Number not yet known).

We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known.

This assignment includes the foregoing patent application or patent, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction 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. We authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

We hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment.

We further agree for ourselves and our respective heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto; and we agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature Andreas Muecklich
Andreas Muecklich

Witnessed by: Markus Breiter
Signature
Markus Breiter
Print Name

05/12/03
Date

Inventor's Signature Markus Breiter
Markus Breiter

Witnessed by: Andreas Muecklich
Signature
Andreas Muecklich
Print Name

05/12/03
Date

Attorney Docket No.: 13907-029001 / 2003P000003 US
Page 2 of 2

Inventor's Signature

Wolfgang Kalhoff
Wolfgang Kalhoff

Witnessed by:

Andreas Mücklich
Signature

Andreas Mücklich
Print Name

8.12.03
Date

Inventor's Signature

Uwe Fischer
Uwe Fischer

Witnessed by:

Andreas Mücklich
Signature

Andreas Mücklich
Print Name

05.12.03
Date

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