



REC 03-05-2003 ET



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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

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| 1. Name of conveying party(ies): Bernhard M. H. Runge, Adam Korman and Robert Lee Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Name and address of receiving party(ies): SAP AG Neurtstrasse 16 D-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: 02/05/2003; 01/29/2003; and 02/20/2003 | |

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:

| | |
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| A. Patent Application No(s): 10/283,328 60/373,328 | B: Patent No(s): |
|---------------------------------------------------------------------|------------------|

Additional numbers attached? Yes No

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. Name/address of party to whom correspondence concerning document should be mailed: HANS TROESCH Fish & Richardson P.C. 500 Arguello Street Suite 500 Redwood City, CA 94063 | 6. Total number of applications/patents involved: 2 7. Total fee (37 CFR §3.41): \$80 <input checked="" type="checkbox"/> Enclosed <input 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. |
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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.*

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| Joseph F. Key Reg. No. 44,827 Name of Person Signing | Signature | 2/28/03 Date |
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Total number of pages including coversheet, attachments and document: 7

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ASSIGNMENT

For valuable consideration, we, BERNHARD M. H. RUNGE of Rheinauer Ring 11 D-68219 Mannheim, Germany, ADAM KORMAN of 1540 Hudson Street, #205, Redwood City, CA 94061, and ROBERT LEE of P.O. Box 614, Cascade Locks, OR 97014, hereby assign to SAP AG, a German corporation having a place of business at Neurottstrasse 16, D-69190 Walldorf, Germany; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MANIPULATING A DATA SOURCE USING A GRAPHICAL USER INTERFACE, filed October 30, 2002, and assigned U.S. Serial Number 10/283,328, and United States Provisional Patent Application entitled MANIPULATING A DATA SOURCE USING A GRAPHICAL USER INTERFACE, filed April 18, 2002, and assigned U.S. Serial Number 60/373,328, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents and applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,

this Tues day of 5. February, 2003

Bernhard M.H. Runge L.S.
BERNHARD M. H. RUNGE

Signature witnessed by:

February 5th, 2003

Date

WITNESS:

Barbara Troeger

Printed Name:

BARBARA TROEGER

Address:

SAP AG, WALLDORF

CRM DEV. MARKETING & ANALYTICS

Feb. 5 2003

Date

WITNESS:

Chris Fastabend

Printed Name:

Chris Fastabend

Address:

SAP AG, WALLDORF

ASSIGNMENT

For valuable consideration, we, BERNHARD M. H. RUNGE of Rheinauer Ring 11 D-68219 Mannheim, Germany, ADAM KORMAN of 1540 Hudson Street, #205, Redwood City, CA 94061, and ROBERT LEE of P.O. Box 614, Cascade Locks, OR 97014, hereby assign to SAP AG, a German corporation having a place of business at Neurottstrasse 16, D-69190 Walldorf, Germany; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MANIPULATING A DATA SOURCE USING A GRAPHICAL USER INTERFACE, filed October 30, 2002, and assigned U.S. Serial Number 10/283,328, and United States Provisional Patent Application entitled MANIPULATING A DATA SOURCE USING A GRAPHICAL USER INTERFACE, filed April 18, 2002, and assigned U.S. Serial Number 60/373,328, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents and applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Redwood City, CA,
this 29th day of January, 2003
Adam Korman L.S.
ADAM KORMAN

Signature witnessed by:

1/29/03
Date

WITNESS: Rosalba Perez R.
Printed Name: Rosalba Perez R
Address: 1553 Oxford St. #5
Redwood City CA 94061

1/29/03
Date

WITNESS: Allison A. Johnson
Printed Name: Allison A. Johnson
Address: 1540 Hudson St #205
Redwood City, CA 94061

ASSIGNMENT

For valuable consideration, we, BERNHARD M. H. RUNGE of Rheinauer Ring 11 D-68219 Mannheim, Germany, ADAM KORMAN of 1540 Hudson Street, #205, Redwood City, CA 94061, and ROBERT LEE of P.O. Box 614, Cascade Locks, OR 97014, hereby assign to SAP AG, a German corporation having a place of business at Neurottstrasse 16, D-69190 Walldorf, Germany; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MANIPULATING A DATA SOURCE USING A GRAPHICAL USER INTERFACE, filed October 30, 2002, and assigned U.S. Serial Number 10/283,328, and United States Provisional Patent Application entitled MANIPULATING A DATA SOURCE USING A GRAPHICAL USER INTERFACE, filed April 18, 2002, and assigned U.S. Serial Number 60/373,328, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents and applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cascade Locks, OR,
this 20th day of February, 2003
Robert Lee L.S.
ROBERT LEE

Signature witnessed by:

2-20-03
Date

WITNESS: Michelle Drew
Printed Name: Michelle Drew
Address: P.O. Box 212
Cascade Locks, OR 97014

Date

WITNESS: Paul M. Hogard
Printed Name: Paul M. Hogard
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Cascade Locks, OR 97014