Substitute Form PTO-1595 Attorney Docket No.: 13906-109001 Client's Ref. No.: 2003P00171 US01

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| 1/11/03 | | TO |
|--|---|---------------------|
| Commissioner for Patents: Please record the attached original docu | ment(s) or copy(ies). | |
| Name of conveying party(ies): Achim Kraiss, Harish Hoskere Mahabal and Dipankar Roy | Name and address of receiving party(ies): SAP AKTIENGESELLSCHAFT Intellectual Property Department Neurottstrasse 16 | 389 U.S. 10/6647 |
| Additional name(s) attached? ☐ Yes 図 No | 69190 Walldorf | 22 |
| B. Nature of conveyance: | Germany | |
| ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other: | | |
| Execution Date: 09/12/2003; 09/15/2003; and 09/15/2003 | Additional names/addresses attached? ☐ Yes ☒ No | |
| Application number(s) or patent number(s): | | |
| If this document is being filed with a new application, the execut | ion date of the application is: 09/17/2003 | |
| A. Patent Application No(s).: | B: Patent No(s).: | |
| | s attached? □ Yes 圏 No | |
| Name/address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications/patents involved: 1 | |
| RAYMOND R. BERDIE | 7. Total fee (37 CFR §3.41): \$40 | |
| Fish & Richardson P.C., P.A. 60 South Sixth Street | ☑ Enclosed☐ Authorized to charge Deposit Account.8. Deposit Account No.: 06-1050 | |
| Suite 3300 Minneapolis, MN 55402 | | |
| Willineapons, Wild 33402 | Please apply any additional charges, or any creding Deposit Account No. 06-1050. | its, to our |
| DO NOT U | ISE THIS SPACE | |
| 9. Statement and Signature: To the best of my knowledge a any attached copy is a true copy of the original docum | | correct and |
| Raymond R. Berdie Reg. No. 50,769 Name of Person Signing Signature | Sept. 17, | 2003 |
| 1 | Total number of pages including coversheet, attachments a | and document: |
| 00166954.doc 3 DBYRHE 00000051 10664771 40.00 DP | | |
| | CERTIFICATE OF MAILING BY E | XPRESS MAIL |
| | Express Mail Label No EV | 342625385118 |

PATENT REEL: 014522 FRAME: 0047

September 17, 2003

Date of Deposit: __

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ASSIGNMENT

For valuable consideration, we, Achim Kraiss, Harish Hoskere Mahabal and Dipankar Roy, hereby assign to SAP Aktlengesellschaft, a German Corporation, having a place of business at Neurottstrasse 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

Multi-language Support for Data Mining Models

and which is found in

(Sept. 17, 2003)

U.S. patent application executed on $\frac{9-17-03}{}$, entitled as above, listing the above named inventors.

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 Signat | ture AchtroKraiss | 40 10 - 4 - |
|-------------------|---------------------------------|------------------|
| Witnessed by: | Signature // Signature | 12 09 03 Date |
| | Print Name Christoph Notersing | |
| Inventor's Signat | Harish Hoskere Mahabal | |
| Witnessed by: | Signature | Date |
| | Print Name | |

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REEL: 014522 FRAME: 0048

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| Inventor's Signa | Dipankar Roy | | |
|------------------|--------------|------|--|
| Witnessed by: | Signature | Date | |
| | Print Name | | |
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12-SEP-2003 THEITAGON SUP HG WALLDORF

REEL: 014522 FRAME: 0049

Print Name

Attorney Docket No.: 13위국 10위6대 SAP Ref. No.: 2003/901/713, 301 Es. 2 2

ASSIGNMENT

For valuable consideration, we, Achim Kraiss, Harish Hoskere Mahabal and Dipankar Roy, hereby assign to SAP Aktiengesellectials is German Corporation, having a place of business at Neurottstrasse 16, D-69190 Walldorf, Germany, and its successors, and assistent (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 Multi-language Support for Data Mining Models (Sept. 17, 2003) and which is found in U.S. patent application executed on $\frac{9-17-03}{1}$, entitled as above, listing the above named inventors. We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing odd 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 them. 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 interestant Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and at high property. treaties of tike purposes. We authorize the Assignee to apply in all countries in our names or in its own name for patents, utility treaties, and describe ogistrations 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 its account to conflict with this assignment. We further agree for ourselves and our respective heirs, legal representatives, and assigns to provide to the Assignee prompto, and assigns to provide to the Assignee prompto, and assigns to provide to the Assignee prompto. 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 increto; and we agree promptly to perform such lawful acts and to sign such further applications, assignments, stated eric read other law's documents as the Assignee may reasonably request to effectuate fully this assignment. Inventor's Signature Achim Kraiss Witnessee by: Date Signature Print Name Inventor's Signature Harish F 15 09 2003 Witnessed by:

> **PATENT** REEL: 014522 FRAME: 0050

Attomey Docket No.: 139/6 3 36/001 SAP Ref. No.: 2003P67345 501 F7 - 50 1 f 2

Witnessorings

60(644)

Signature

15.09.20.3

Date

RECORDED: 09/17/2003

PATENT REEL: 014522 FRAME: 0051