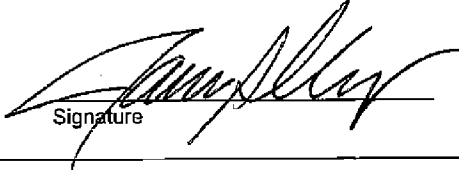


Substitute Form PTO-1595
Attorney Docket No.: 34874-184/ 2005P00332US

RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
<p>1. Name of conveying party(ies): GERHARD L. HILL; THOMAS PEH; JANE HARTMANN</p> <p style="text-align: right;">Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): SAP AG Dietmar-Hopp-Allee 16 69190 Walldorf Germany</p> <p style="text-align: right;">Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: 6/12/2006</p>	<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s): 11/494,042</p> <p>B. Patent No(s):</p> <p style="text-align: right;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name/address of party to whom correspondence concerning document should be mailed:</p> <p>James P. Cleary Mintz Levin Cohn Ferris Glovsky and Popeo 9255 Towne Centre Drive Suite 600 San Diego, CA 92121</p>	<p>6. Total number of applications/patents involved: 1</p> <p>7. Total fee (37 CFR §3.41): \$40</p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account.</p> <p>8. Deposit Account No.:</p> <p>Please apply any additional charges, or any credits, to our Deposit Account No. 50-0311.</p>
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<p>9. Statement and Signature: <i>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.</i></p>	
<p>James P. Cleary Reg. No. 45,843</p> <p>_____ Name of Person Signing</p>	<p style="text-align: center;"></p> <p style="text-align: center;">_____ Signature</p>
<p style="text-align: right;">_____ Date</p>	<p style="text-align: right;">10/6/2006</p>
Total number of pages including coversheet, attachments and document: 2	

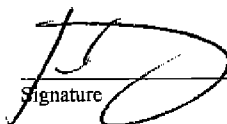
CERTIFICATE OF TRANSMISSION BY FACSIMILE

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

Date of Transmission

10/6/2006

Signature



Typed Name of Person Signing Certificate

JONATHAN ONG

PATENT

700290898

REEL: 018373 FRAME: 0214

ASSIGNMENT

For valuable consideration, we, Gerhard L. Hill, Thomas Peh and Jane Hartmann, hereby assign to SAP AG, a German Corporation, having a place of business at Dietmar-Hopp-Allee 16, 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

Virtual Pair Algorithm for Outer Join Resolution.

which is found in

U.S. patent application filed on July 27, 2006

under Application No. 11/494,042

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 Gerhard Hill
Gerhard L. Hill

Witnessed by: Ingrid Birkner
Signature

12.06.2006
Date

INGRID BIRKNER
Print Name

Inventor's Signature Thomas Peh
Thomas Peh

Witnessed by: Andrew Ross
Signature

12.06.2006
Date

ANDREW ANDREW ROSS
Print Name

Inventor's Signature *J. Hartmann*
Jane Hartmann

Witnessed by: *Andrew Ross*
Signature
ANDREW ROSS
Print Name

12.06.2006
Date

10635635.doc

Attorney's Docket No.:34874-184/ 2005P00332US

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Number of pages including this page 3

Applicant : Hill et al.
Serial No. : 11/494,042
Filed : July 27, 2006Art Unit : 2161
Examiner : Unknown

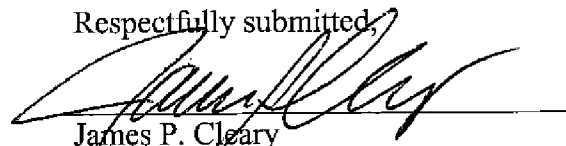
FACSIMILE COMMUNICATION

Title : VIRTUAL PAIR ALGORITHM FOR OUTER JOIN RESOLUTION

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Attached to this facsimile communication cover sheet is a Recordation Form Cover Sheet and Assignment, faxed this 6th day of October, 2006, to Mail Stop Assignment Recordation Services, U.S. Patent and Trademark Office.

Respectfully submitted,


James P. Cleary
Reg. No. 45,843PTO Customer No. 64280
Mintz Levin Cohn Ferris Glovsky and Popeo
9255 Towne Centre Drive, Suite 600
San Diego, California 92130
Telephone: (858) 320-3000
Fax: (858) 320-3001

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