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OMB No. 0651-0027 (exp. 6/30/2008)

07-11-2008

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



To the Director of the U.S. Patent a.

103513307

ments or the new address(es) below.

**1. Name of conveying party(ies)**

Yu Xu, June 17, 2008  
Pekka Kostamaa, June 26, 2008  
Mark Sirek, June 26, 2008

**2. Name and address of receiving party(ies)**

Name: Teradata Corporation

Internal Address: Law Department

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) June 17, 2008

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

Street Address: 2835 Miami Village Drive

City: Miamisburg

State: Ohio

Country: USA Zip: 45342

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/130,060

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: James M. Stover

Internal Address: Law Department

Street Address: 2835 Miami Village Drive

City: Miamisburg

State: Ohio Zip: 45342

Phone Number: (937) 242-4727

Fax Number: (937) 439-0693

Email Address: James.Stover@Teradata.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 50 4370

Authorized User Name James M. Stover

**9. Signature:**

Signature

June 30 2008  
Date

James M. Stover

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: ☐

Documents to be recorded (including cover sheet) should be faxed to (771) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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**ASSIGNMENT OF UNITED STATES PATENT APPLICATION**

WHEREAS, we, YU XU, PEKKA KOSTAMAA and MARK SIREK, of San Diego, CA, Santa Monica, CA and San Diego, CA, respectively, have invented certain new and useful improvements in SYSTEM, METHOD, AND COMPUTER-READABLE MEDIUM FOR DYNAMIC DETECTION AND MANAGEMENT OF DATA SKEW IN PARALLEL JOIN OPERATIONS, Docket No. 13608, for which we have executed an application for Letters Patent of the United States on same date herewith, respectively; and

WHEREAS, Teradata US, Inc, a corporation of the State of Delaware, having its principal place of business in Miamisburg, Ohio, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that in consideration of the sum of One Dollar (\$1.00) and of other valuable considerations, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said Teradata US, Inc, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said Teradata US, Inc, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said Teradata US, Inc, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Teradata US, Inc, make all rightful oaths and generally to do everything possible to aid said Teradata US, Inc, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this seventeenth day of  
June, 2008.

  
\_\_\_\_\_  
Yu Xu

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Pekka Kostamaa

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Mark Sirek

## ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, YU XU, PEKKA KOSTAMAA and MARK SIREK, of San Diego, CA, Santa Monica, CA and San Diego, CA, respectively, have invented certain new and useful improvements in SYSTEM, METHOD, AND COMPUTER-READABLE MEDIUM FOR DYNAMIC DETECTION AND MANAGEMENT OF DATA SKEW IN PARALLEL JOIN OPERATIONS, Docket No. 13608, for which we have executed an application for Letters Patent of the United States on same date herewith, respectively; and

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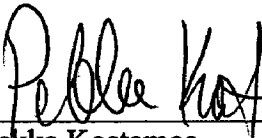
NOW, THEREFORE, be it known that in consideration of the sum of One Dollar (\$1.00) and of other valuable considerations, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said Teradata US, Inc, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said Teradata US, Inc, of Delaware, its successors and assigns.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of June, 2008.

\_\_\_\_\_  
Yu Xu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of  
June, 2008.

  
\_\_\_\_\_  
Pekka Kostamaa

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of  
\_\_\_\_\_, 2008.

\_\_\_\_\_  
Mark Sirek

## ASSIGNMENT OF UNITED STATES PATENT APPLICATION

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NOW, THEREFORE, be it known that in consideration of the sum of One Dollar (\$1.00) and of other valuable considerations, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said Teradata US, Inc, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said Teradata US, Inc, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said Teradata US, Inc, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Teradata US, Inc, make all rightful oaths and generally to do everything possible to aid said Teradata US, Inc, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Yu Xu

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Pekka Kostamaa

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26<sup>th</sup> day of June, 2008.

Mark Sirek  
Mark Sirek