

FORM PTO-1619A

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OMB 0651-0027

03-17-2003

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

102391380

FINANCE SECTION

**RECORDATION FORM COVER SHEET  
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**Conveyance Type**☒ Assignment☐ Security Agreement☐ License☐ Change of Name☐ Merger☐ Other**U.S. Government**

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☐ Departmental File☐ Secret File**Conveying Party(ies)**☒ Mark if additional names of conveying parties attached

Name (line 1) Colin P. Britton

Execution Date  
Month Day Year  
03032003

Name (line 2)

**Second Party**

Name (line 1) Ashok Kumar

Execution Date  
Month Day Year  
03032003

Name (line 2)

**Receiving Party**☐ Mark if additional names of receiving parties attached

Name (line 1) Metatomix, Inc.

Name (line 2)

Address (line 1) 275 Wyman Street, Suite 130

Address (line 2)

Address (line 3) Waltham

Massachusetts

02451

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Mail documents to be recorded with required cover sheet(s) information to:  
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**PATENT**  
**REEL: 013836 FRAME: 0707**

**Correspondent Name and Address**Area Code and Telephone Number **617-439-2717**Name **David J. Powsner**Address (line 1) **Nutter, McClennen & Fish,**Address (line 2) **World Trade Center West, 155 Seaport Blvd.**Address (line 3) **Boston, MA 02110-2604**

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# **4****Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)****10302764****Patent Number(s)**If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

# **1****Fee Amount**Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:

Deposit Account

Enclosed ☒Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# **141449**

Authorization to charge additional fees:

Yes ☒No ☐**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. Charges to deposit account are authorized, as indicated herein.*

David J. Powsner

Name of Person Signing

Signature

Date

**3-6-03**

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) David Bigwood

03032003

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Anthony J. DeFusco

03032003

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Howard Greenblatt

03032003

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



ASSIGNMENT

WHEREAS, We, **Colin P. Britton**, of 17 Pheasant Lane, Lexington, Massachusetts 02421, **Ashok Kumar**, of 85 Parlmont Park, North Billerica, Massachusetts 01862, **David A. Bigwood**, of 324 Concord Avenue, Lexington, Massachusetts, 02421, **Anthony J. DeFusco**, of 1140-C Diamond Hill Road, Woonsocket, Rhode Island 02895, and **Howard Greenblatt**, of 22 Coolidge Street, Wayland, Massachusetts, 01778, having invented certain new and useful improvements in **METHODS AND APPARATUS FOR QUERYING A RELATIONAL DATA STORE USING SCHEMA-LESS QUERIES** for which we have made application for United States Letters Patent, said application filed November 21, 2002 and accorded U.S. Serial No.10/302,764; and

WHEREAS, **Metatomix, Inc.**, a Massachusetts corporation, having a place of business at 275 Wyman Street, Suite 130, Waltham, Massachusetts, 02451, and its successors and assigns (collectively hereinafter called "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said applications and any Letters Patent that may issue thereon;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, we do hereby sell assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said applications and all patents which may granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the

world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representative, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

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


Waltham, MA this 3 day of March, 2003.  
(City, State) (Day) (Month) (year)

STATE OF

Massachusetts

COUNTY OF

Middlesex

  
Colin P. Britton

SS.

Before me this 3 day of March, 2003, personally appeared Colin P. Britton known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 3/8/2007

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

Waltham, MA this 3 day of March, 2003.  
(City, State) (Day) (Month) (year)

STATE OF Massachusetts

COUNTY OF Middlesex

Ashok Kumar  
Ashok Kumar

SS.

Before me this 3 day of March, 2003, personally appeared Ashok Kumar known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Julie A. Cunningham  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 3/8/2007

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

Waltham, MA this 3 day of March, 2003.  
(City, State) (Day) (Month) (year)

STATE OF Massachusetts

COUNTY OF Middlesex

David Bigwood  
David Bigwood

SS.

Before me this 3 day of March, 2003, personally appeared David Bigwood known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Julie A. Cunningham  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 3/8/2007

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

WALTHAM, MA this 3<sup>rd</sup> day of MARCH, 2003.  
(City, State) (Day) (Month) (year)

STATE OF Massachusetts

COUNTY OF Middlesex

Anthony J. DeFusco  
Anthony J. DeFusco

SS.

Before me this 3 day of March, 2003, personally appeared Anthony J. DeFusco known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Julie A. Cunningham  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 3/8/2007

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

WALTHAM this 3 day of MARCH, 2003.  
(City, State) (Day) (Month) (year)

STATE OF Massachusetts

COUNTY OF Middlesex

Howard Greenblatt  
Howard Greenblatt

SS.

Before me this 3 day of March, 2003, personally appeared Howard Greenblatt known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Julie A. Cunningham  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 3/8/2007