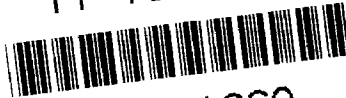


11-18-2005



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ENTRIES ONLY

11/10/5

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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

Adam J. Ferrari (11/10/2005), Frederick C. Knabe (11/10/2005), Vinay S. Mohta (11/10/2005), Jason P. Myatt (11/10/2005),

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

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

Name: Endeca Technologies, Inc.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

55 Cambridge Parkway

City: Cambridge

State: Massachusetts

Country: United States of America Zip: 02142

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

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

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

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

A. Patent Application No.(s)

0000000

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

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

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

Name: Donald R. Steinberg  
WILMER CUTLER PICKERING HALE AND  
DORR LLP

Internal Address: Atty. Dkt.: 109878.142US1

Street Address: 60 State Street

City: Boston

State: MA Zip: 02109

Phone Number: (617) 526-6453

Fax Number: (617) 526-5000

Email Address: don.steinberg@wilmerhale.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 08-0219

Authorized User Name Donald R. Steinberg

**9. Signature:**

Signature

November 10, 2005

Date

Donald R. Steinberg - 37,241

Name of Person Signing

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

13

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Express Mail Label No. EV672001761US Dated: November 10, 2005

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US1DOCS 5376169v1

PATENT  
REEL: 017228 FRAME: 0477

RECORDATION FORM COVER SHEET  
(continued)

## Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Benjamin S. Scarlet (11/10/2005), Daniel Tunkelang (11/10/2005), John S. Walter (11/10/2005), and Joyce Wang (11/10/2005)

## Additional Assignees (2. Continued):

Assignee Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

## Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers

4A. Continued:

Additional Patent Numbers

4B. Continued:

Additional numbers attached?

☐

Yes

☐

No

113219 U.S. PTO  
11/271036

111005

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 10th day of November, 2005, by Adam J. Ferrari; Frederick C. Knabe; Vinay S. Mohta; Jason P. Myatt; Benjamin S. Scarlet; Daniel Tunkelang; John S. Walter; and Joyce Wang (hereinafter referred to as Assignors), residing at 102 Larch Road, Cambridge, Massachusetts 02138; 32 Braddock Park, #2, Boston, Massachusetts 02116; 3 Blackstone Street, #3, Cambridge, Massachusetts 02139; 65 Circuit Street, Melrose, Massachusetts 02176; 245 Lowell Road, Groton, Massachusetts 01450; 245 Henry Street, Apartment 6B, Brooklyn, New York 11201; 62 Beeching Street, Worcester, Massachusetts 01602; and 18 Prescott Street, Watertown, Massachusetts 02472, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in System And Method For Information Retrieval From Object Collections With Complex Interrelationships, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

**WHEREAS**, Endeca Technologies, Inc., a corporation organized under and pursuant to the laws of Delaware having its principal place of business at 55 Cambridge Parkway, Cambridge, Massachusetts 02142 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use

and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:**

**WILMER CUTLER PICKERING HALE AND DORR LLP**

**All practitioners at Customer Number 23483**

**AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.**

Adam Ferrari

Adam J. Ferrari

Date: 11/10/2005

United States of America

State of MASSACHUSETTS ) ss.:

County of MIDDLESEX )

On this 10 day of Nov, 2005, before me personally came Adam J. Ferrari, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peter Bell  
Notary Public

PETER BELL  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
December 26, 2008

*Frederick C. Knabe*  
Frederick C. Knabe

Date: Nov 10, 2005

United States of America

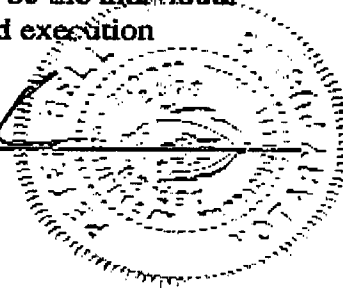
State of MASSACHUSETTS ss.:

County of MIDDLESEX

On this 10 day of NOVEMBER, 2005, before me  
personally came Frederick C. Knabe, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

*Peter Bell*  
Notary Public

PETER BELL  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
December 26, 2008



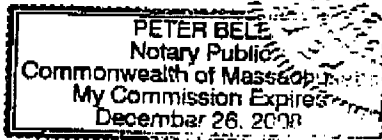
Vinay S. Mohta  
Vinay S. Mohta

Date: 11/10/05

United States of America Massachusetts  
State of Middlesex ss.:  
County of Middlesex

On this 10 day of November, 2005, before me  
personally came Vinay S. Mohta, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Peter Bell  
Notary Public





Jason P. Myatt  
Jason P. Myatt

Date: 11/10/05

United States of America )  
State of MASSACHUSETTS ) ss.:  
County of MIDDLESEX )

On this 10 day of NOVEMBER, 2005, before me  
personally came Jason P. Myatt, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Peter Bell  
Notary Public

PETER BELL  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
December 26, 2008

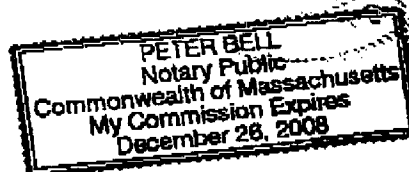
Benjamin S. Scarlet  
Benjamin S. Scarlet

Date: Nov. 10, 2005

United States of America )  
State of MASSACHUSETTS ss.:  
County of MIDDLESEX )

On this 10 day of Nov, 2005, before me  
personally came Benjamin S. Scarlet, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Peter Bell  
Notary Public



11/17  
Daniel Tunkelang

Date: 10 nov 2005

United States of America

State of New York ) ss.:  
County of Kings )

On this 18<sup>th</sup> day of Nov, 2005, before me  
personally came Daniel Tunkelang, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Kamal P. Soni  
Notary Public

KAMAL P. SONI  
Notary Public, State Of New York  
No.01SO6089949  
Qualified in Kings County  
Commission Expires March 31, 2007

John S. Walter  
John S. Walter

Date: Nov. 10, 2005

United States of America )  
State of MA ) ss.:  
County of Worcester

On this 10th day of NOV., 2005, before me  
personally came John S. Walter, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

W.R. Moore, III  
Notary Public

W.R. MOORE, III NOTARY  
MY COMMISSION EXPIRES: 5-5-2006

h/f  
Joyce Wang

Date: 11/10/05

United States of America )  
State of MASSACHUSETTS ) ss.:  
County of MIDDLESEX )

On this 10 day of NOVEMBER, 2005, before me  
personally came Joyce Wang, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

