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To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

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

Irina Matveeva, Ayman Farahart

## 2. Name and address of receiving party(ies):

Name: Palo Alto Research Center Incorporated  
 Street Address: 3333 Coyote Hill Road  
 City: State: Zip: Palo Alto, CA 94304 USA

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

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

Execution Date: 16 September 2005

113243 U.S. PTO  
11/228924

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

If this document is being filed together with a new application, the execution date of the application is: 16 September 2005

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: A. Richard Park  
 Park, Vaughan & Fleming LLP  
 2820 Fifth Street  
 Davis, CA 95616

Attorney Docket No.: PARC-20041273

## 6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) ..... \$40.00  
☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:  
 24-0037

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## 9. 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.

A. Richard Park  
 Name of Person Signing

Signature

16 September 2005  
 Date

Total number of pages including cover sheet, attachments and document: [3]

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09/23/2005 DBYRNE 00000182 240037 11228924

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**ASSIGNMENT**

Attorney Docket No.: PARC-20041273

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **GENERALIZED LATENT SEMANTIC ANALYSIS** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

- ☒ is being executed concurrently herewith,  
☐ was first executed on \_\_\_\_\_  
☐ was filed on \_\_\_\_\_ as Application Number \_\_\_\_\_  
☐ claims the benefit of U.S. Provisional Application(s) No(s) \_\_\_\_\_ / \_\_\_\_\_ filed \_\_\_\_\_.

Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and it assigns, and its legal representatives (PARC) is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.

Irina Matveeva

Irina MatveevaDate September 16 2005

Ayman Farahat

Date \_\_\_\_\_

**ASSIGNMENT**

Attorney Docket No.: PARC-20041273

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- ☒ is being executed concurrently herewith,  
☐ was first executed on \_\_\_\_\_  
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- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.

Irina Matveeva

Date \_\_\_\_\_

Ayman Farahat

Date 6/26/2005