

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Manas Ashok Pathak	11/21/2011
Richard Chow	11/30/2011
Runting Shi	11/30/2011
Cong Wang	11/29/2011
RECEIVING PARTY DATA	
Name:	Palo Alto Research Center Incorporated
Street Address:	3333 Coyote Hill Road
City:	Palo Alto
State/Country:	CALIFORNIA
Postal Code:	94304
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13314748
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ATTORNEY DOCKET NUMBER:	PARC-20110849-US-NP
NAME OF SUBMITTER:	Shun Yao, Reg. No. 59,242

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ASSIGNMENT

Attorney Docket No.: PARC-20110849-US-NP

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled

PRIVACY-PRESERVING COLLABORATIVE FILTERING

(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 08 December 2011 as Application Number 131314,748
☐ 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.

Manas Ashok Pathak

M. A. Pathak

Date

11/21/2011

Richard Chow

Date

Runting Shi

Date

Cong Wang

Date

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Cong WangDate 2011-11-29