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Attorney Docket No. 141438

Please record the attached original documents or copy thereof.

1. A. Name of conveying parties:

1. Norine E. CHANG
2. C. Wayne JAEGER
3. Scott Jong Ho LIMB
4. Eric J. SHRADER
5. Francisco E. TORRES
6. Kris SCHMIDT

B. Additional names of conveying parties attached? ☐ Yes ☒ No

2. A. Name and address of receiving party:

Palo Alto Research Center Incorporated
3333 Coyote Hill Road
Palo Alto, California 94304

B. Additional names & addresses attached?

☐ Yes ☒ No

3. A. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other _____

B. Execution Date: 1., 3., 4., and 5.: August 3, 2009;
2.: August 13, 2009; 6.: August 11, 2009

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

B. Patent Application No. 12/542,171

C. Patent No.(s) _____

D. Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: SOLID INKS FOR PRINTED MASKS

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

James A. Oliff
OLIFF & BERRIDGE, PLC
P.O. Box 320850
Alexandria, VA 22320-4850

6. Total number of applications and patents involved:

1.

7. Total fee (37 CFR 3.41).....\$40.00

Charge to Deposit Account No. 24-0037

8. Credit any overpayment or charge any underpayment to deposit account number 24-0037.

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.

James A. Oliff, Registration No. 27,075
Joel S. Armstrong, Registration No. 36,430

Date: August 17, 2009

Total number of pages: 4

CH \$40.00 240037 12542171

ASSIGNMENT

Attorney Docket No.: 141438

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **SOLID INKS FOR PRINTED MASKS** (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 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).

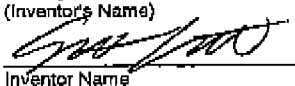
For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, 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.



 Inventor Name
 Norline E. CHANG
 (Inventor's Name)

Date

8-7-09

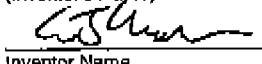

 Inventor Name
 C. Wayne JAEGER
 (Inventor's Name)

Date


 Inventor Name
 Scott Jong Ho LIMB
 (Inventor's Name)

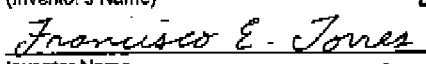
Date

8/3/09


 Inventor Name
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Date

Aug 3 '09


 Inventor Name
 Francisco E. TORRES
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Date

Aug. 3, 2009


 Inventor Name
 Kris SCHMIDT
 (Inventor's Name)

Date

FROM : BARB JAEGER

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Aug. 13 2009 04:59PM P5

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Attorney Docket No.: 141438

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Inventor Name
Norine E. CHANG
(Inventor's Name) Date _____

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Inventor Name
C. Wayne JAEGER
(Inventor's Name) Date 8/13/09

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Eric J. SHRADER
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 (Inventor's Name) Date _____

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 (Inventor's Name) Date _____

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 Eric J. SHRADER
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Inventor Name
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 Name) Date _____

Kris Schmidt
 Inventor Name
 Kris SCHMIDT
 (Inventor's Name) Date 8/11/2009

PATENT

RECORDED: 08/17/2009

REEL: 023096 FRAME: 0464