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RHONDA R. COX

06-27-2003  
102483799

**PATENTS ONLY**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF : Scott E. Solberg  
FOR : **ELECTRONIC DEVICE FORMED  
FROM A THIN FILM WITH  
VERTICALLY ORIENTED COLUMNS  
WITH AN INSULATING FILLER  
MATERIAL**  
6-18-03  
SERIAL NO. : unknown  
FILED : herewith  
EXAMINER : unknown  
ART UNIT : unknown  
LAST OFFICE ACTION : none 10464080  
ATTORNEY DOCKET NO. : D/A3103  
XERZ 2 00590

17507 U.S. PTO  
10/464080  
06/18/03

**ASSIGNMENT TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Mail Stop Assignment Recordation Services

Dear Sir:

Please record the attached original document(s) or copy(ies) thereof.

1. Name of Party(ies) conveying an interest:

Scott E. Solberg

2. Name of Party(ies) receiving an interest:

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

3. Description of the interest conveyed:

☒ Assignment  
☐ Security Agreement  
Other

☐ Change of Name  
☐ Merger

Execution Date: June 18, 2003

06/26/2003 LMUELLER 00000101 240037 10464080

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**PATENT**  
**REEL: 014206 FRAME: 0115**

4. These documents are being filed together with a new application, the execution date of which is: June 18, 2003

A. Patent Application No.(s)  
N/A

B. Patent No.(s)  
N/A

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

Mark S. Svat  
Reg. No. 34,261  
FAY, SHARPE, FAGAN  
MINNICH & McKEE, LLP  
1100 Superior Avenue, Seventh Floor  
Cleveland, Ohio 44114-2579

6. One patent application is involved.

7. Amount of fee enclosed or authorized to be charged: \$ 40.00

8. Deposit Account Number (attached duplicate copy of this form if paying by Deposit Account): 24-0037.

9. Please charge any additional fees or credit overpayment to Deposit Account No. 24-0037.

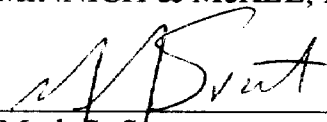
10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

11. Total number of pages enclosed 2.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & McKEE, LLP

June 18<sup>th</sup>, 2003  
Date

  
\_\_\_\_\_  
Mark S. Svat  
Reg. No. 34,261  
1100 Superior Avenue  
Seventh Floor  
Cleveland, OH 44114-2579  
(216) 861-5582

**ASSIGNMENT**

Attorney Docket No.: D/A3103

XERZ 2 00590

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **ELECTRONIC DEVICE FORMED FROM A THIN FILM WITH VERTICALLY ORIENTED COLUMNS WITH AN INSULATING FILLER MATERIAL** (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.

Scott E. Solberg  
Scott E. Solberg  
Date 6/18/03

\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Date \_\_\_\_\_

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Date \_\_\_\_\_

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Date \_\_\_\_\_