

05-10-2006



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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)

X-L Synergy

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**14**

Execution Date(s) 29 March 2006

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☒ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: The United States of America as represented by the Secretary of the Air Force

Internal Address: AFMCLO/JAZ

Bldg 11, Room 100

Street Address: 2240 B Street

City: Wright-Patterson Air Force Base

State: Ohio

Country: U.S.A. Zip: 45433-7109

Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

11/252,404

☐ 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: Fredric L. Sinder

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$

- ☐ 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

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Authorized User Name

9. Signature:

Signature

4/28/2006

Date

FREDRIC L. SINDER

Name of Person Signing

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

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 017864 FRAME: 0842

ELECTION OF TITLE AND LICENSE TO THE UNITED STATES

Invention: Invention Report as described in U.S. Patent Application Serial No. 11/252,404 entitled: "Arc Fault Identification Using Model Reference Estimation" attached hereto.

Inventors: David C. Nemir and Jan B. Beck

**U.S. Patent
Application**

Serial No.: 11/252,404

U.S. Filing Date: October 17, 2005

Grant/Contract Identification Number(s): FA8650-04-C-2488

Foreign Applications intended as follows: None

Government Agency: U.S. Air Force Research Laboratory

ELECTION OF TITLE

1. X-L Synergy elects to retain title to the above referenced Invention in accordance with 37 CFR 401.14 (b).
2. No publication, on sale or public use of the Invention or manuscript describing the Invention has been submitted for publication. 37 CFR 401.14(c).
3. X-L Synergy. agrees to comply with all of the provisions set forth in 37 CFR 401.14(f).

LICENSE TO THE UNITED STATES GOVERNMENT

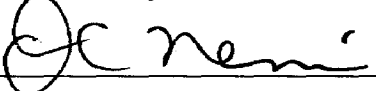
The Invention identified above is a Subject Invention under 35 U.S.C. 2000, et. Seq., and the Standard Patent Rights clauses at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory that the Government Agency has:

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The Government Agency is hereby granted an irrevocable power to inspect and make copies of the above-identified patent.

Signed this 29 day of March, 2006.

By 

Name: David C. Nemin

Title: President

For: X-L Synergy
2000 Wyoming Avenue
El Paso, Texas 79903

PATENT

RECORDED: 05/08/2006

REEL: 017864 FRAME: 0844