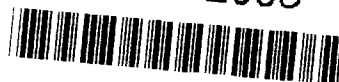


Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

File No. 18383-US

11-21-2005



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RECORDATION FORM COVER S.
PATENTS ONLY

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)/Execution Date(s):

Gaozhi XIAO

Ping ZHAO

Fengguo SUN

Zhenguo LU

Zhiyi Zhang

Chander P. Grover

8/25/2005; 8/25/2005; 8/25/2005; 8/25/2005;

Execution Date(s) 8/29/2005; 11/3/2005

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

2. Name and address of receiving party(ies)

Name: National Research Council of Canada

Internal Address: 1200 Montreal Road

Street Address: _____

City: Ottawa

State: ON

Country: Canada

Zip: K1A 0R6

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/214,783

August 31, 2005

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Marks & Clerk

Internal Address: P.O. Box 957, Station B

Street Address: 1800-280 Slater Street

City: Ottawa

State: ON Canada Zip: K1P 5S7

Phone Number: (613) 236-9561

Fax Number: (613) 230-8821

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

☐ 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 _____

Expiration Date _____

b. Deposit Account Number 13-1717

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9. Signature:

Richard J. Mitchell
Signature

8 November 2005

Date

Richard J. Mitchell

34,519

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

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11/18/2005 DBYRME 00000220 131717 11214783

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40.00 DA

PATENT
REEL: 017225 FRAME: 0760

Agent's Docket No. 18383-US

ASSIGNMENT

WHEREAS, Gaozhi Xiao, Ping Zhao, Fengguo Sun, Zhenguo Lu, Zhiyi Zhang, and Chander P. Grover, residing at 43 Cambior Crescent, Kanata, ON, K2T 1J5, Canada; 72 Mersey Drive, Kanata, ON, K2K 3A6, Canada; 465906 Richmond Road, Ottawa, ON, K2A 1Z1, Canada; 6189 Voyageur Drive, Ottawa, ON, K1C 2Z2, Canada; 22 Norgold Crescent, Ottawa, ON, K2T 1J1, Canada; 1405 Bortolotti Crescent, Gloucester, ON, K1B 5C1, Canada; respectively, have invented improvements in

Simultaneous Interrogation of Multi Wavelength-Modulated Fiber Optical Sensors by Modulating an Arrayed Waveguide Grating Based Demultiplexer,

as described in United States Patent Application No. 11/214,783, filed on August 31, 2005 and

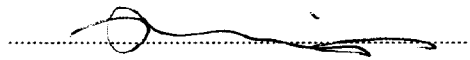
WHEREAS, NATIONAL RESEARCH COUNCIL OF CANADA, whose full post office address is 1200 Montreal Road, Ottawa, ON, K1A 0R6, Canada, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries, in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for themselves and their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interference or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid for by said assignee.

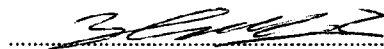
Signed at Ottawa this 25 day of August 2005



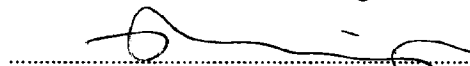
Gaozhi XIAO


(Witness)

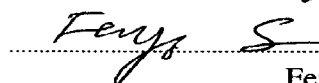
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Ping ZHAO


(Witness)

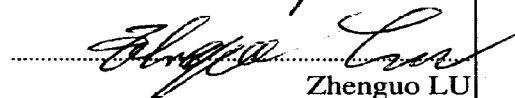
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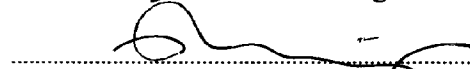
Fengguo SUN


(Witness)

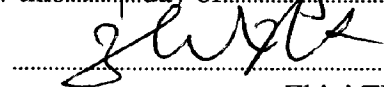
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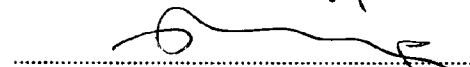
Zhenguo LU


(Witness)

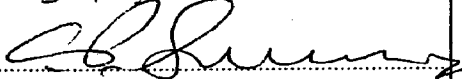
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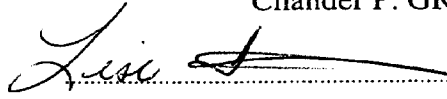


Zhiyi ZHANG


(Witness)

Signed at Ottawa this 3rd day of November 2005


Chander P. GROVER


(Witness)