

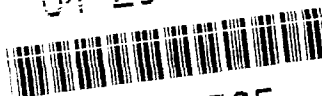
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OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) ENGLUND, Mark Andrew
- 2) LOEVSETH, Sigurd Weidemann

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: 1) June 20, 2003  
2) June 17, 2003

2. Name and address of receiving party(ies)

Name: 1) THE UNIVERSITY OF SYDNEY

Internal Address: \_\_\_\_\_

Street Address: Parramatta Road

Sydney NSW 2006, Australia

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
10/432,068

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Brian W. Hameder

Internal Address: \_\_\_\_\_

Street Address: c/o Ladas & Parry

224 South Michigan Avenue

City: Chicago State: IL Zip: 60604

6. Total number of applications and patents involved: ☐

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

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.

Brian W. Hameder

Name of Person Signing

Reg. 45613

*Brian W. Hameder*

Signature

July 17, 2003

Date

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 015241 FRAME: 0866

2. Name and address of receiving party(ies): (cont.)

2) THE COMMONWEALTH OF AUSTRALIA REPRESENTED BY THE DEFENCE  
SCIENCE AND TECHNOLOGY ORGANISATION OF THE DEPARTMENT OF  
DEFENCE

Salisbury SA 5108, Australia

---

**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

---

WHEREAS:

**Mark Andrew ENGLUND**  
19 Langer Crt.  
Fairview Park SA 5126, Australia  
**Sigurd Weidemann LOEVSETH**  
Skavlans veg 7A  
N-7022, Trondheim, Norway

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled: RARE-EARTH-DOPED WAVEGUIDE for which application for Letters Patent of the United States has been designated under the Patent Cooperation Treaty, effective 07 December 2001, International Application No. PCT/AU01/01579 filed 07 December 2001,

WHEREAS:

**THE UNIVERSITY OF SYDNEY**  
Parramatta Road  
Sydney NSW 2006, Australia

**THE COMMONWEALTH OF AUSTRALIA**  
**REPRESENTED BY THE DEFENCE SCIENCE AND TECHNOLOGY**  
**ORGANISATION OF THE DEPARTMENT OF DEFENCE**  
Salisbury SA 5108, Australia

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention in the United States and the Letters Patent to be obtained therefore;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and the Letters Patent to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

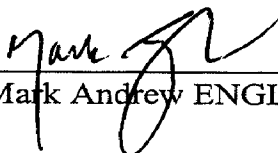
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required

to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, we have set our hand and seal

20 JUNE 2003

Date

  
Mark Andrew ENGLUND

Date

Sigurd Weidemann LOEVSETH

0699P/3

---

**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

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\_\_\_\_\_  
Date

\_\_\_\_\_  
Mark Andrew ENGLUND

June 17th, 2003  
Date

Sigurd Weidemann  
Sigurd Weidemann LOEVSETH

0699P/3