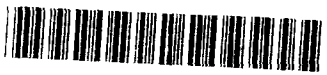


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Form PTO-1595 (Rev. 03/01)	RE	102800288	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
OMB No. 0651-0027 (exp. 5/31/2002)		PATENTS ONLY	
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>1. Thomas J. Grebinski 4. Ulric B. Ljungblad 2. Ulrike A. Dauderstadt 5. Christian Kunath 3. Torbjorn Sandstrom 6. Eberhard Kurth</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: Micronic Laser Systems AB</p> <p>Internal Address: _____</p> <p>Street Address: Nytorpsvagen 9</p> <p>City: Taby, Sweden State: _____ Zip: _____</p> <p>Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Corrected Assignment to Add Second OtheAssignee's Name</p> <p>06/09/03 (Grebinski); 05/13/03 (Dauderstadt); 06/06/03 (Sandstrom); 06/03/03 (Ljungblad); 05/22/03 (Kunath); 05/22/03 (Kurth)</p> <p>Execution Date: _____</p>	

4. Application number(s) or patent number(s): **10/335,981**

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

A. Patent Application No.(s) 10/335,981	B. Patent No.(s)
--	------------------

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Ernest J. Beffel, Jr.</p> <p>Internal Address: _____</p> <p>Haynes Beffel & Wolfeld LLP</p> <p>Street Address: P.O. Box 366</p> <p>City: Half Moon Bay State: CA Zip: 94019</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41).....\$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 50-0869</p> <p>Attorney Docket No.: MLSE 1026-1</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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.

Ernest J. Beffel, Jr.
Name of Person Signing

Ernest J. Beffel, Jr.
Signature

21 July 04
Date

Total number of pages including cover sheet, attachments, and documents: **7**

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Washington, D.C. 20231

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Name and address of receiving party:

Name: Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.
Address: Leonardstrasse 54
D-80636 Munich
Germany

7-7-03



07-14-2003



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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):

- 1. Thomas J. Grebinski
- 2. Ulrike A. Dauderstadt
- 3. Torbjorn Sandstrom
- 4. Ulric B. Ljungblad
- 5. Christian Kunath
- 6. Eberhard Kurth

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

06/09/03 (Grebinski); 05/13/03 (Dauderstadt);
06/06/03 (Sandstrom); 06/03/03 (Ljungblad);
05/22/03 (Kunath); 05/22/03 (Kurth)

Execution Date:

2. Name and address of receiving party(ies)

Name: **Micronic Laser Systems AB**

Internal Address: _____

Street Address: **Nytorpsvagen 9**

City: **Taby, Sweden** State: _____ Zip: _____

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

4. Application number(s) or patent number(s): **10/335,981**

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

A. Patent Application No.(s) **10/335,981**

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **Ernest J. Beffel, Jr.**

Internal Address: _____

Haynes Beffel & Wolfeld LLP

Street Address: **P.O. Box 366**

City: **Half Moon Bay** State: **CA** Zip: **94019**

6. Total number of applications and patents involved: **1**

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

- Enclosed
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8. Deposit account number: **50-0869**

Attorney Docket No.: MLSE 1026-1

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Ernest J. Beffel, Jr.

Name of Person Signing

Signature

03 July 2003

Date

Total number of pages including cover sheet, attachments, and documents: **7**

07/09/2003 ZUHAR1 00000036 10335981

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Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

PATENT
REEL: 015602 FRAME: 0628

**JOINT TO CORPORATE
ASSIGNMENT**

WHEREAS, the undersigned,

- | | | | |
|-----|--|-----|---|
| (1) | Thomas J. Grebinski
230 Sydney
Alamo, CA 94507 | (2) | Ulrike A. Dauderstadt
Forstereistrasse 13d
01099, Dresden
Germany |
| (3) | Torbjörn Sandström
Banvagen 56
SE-435 43 Pixbo
Sweden | (4) | Ulric B. Ljungblad
Alfhojdgatan 12
431 38 Molndal
Sweden |
| (5) | Christian Kunath
Rahnitzer Mühlweg 68
01108 Dresden
Germany | (6) | Eberhard Kurth
Am Walthersgrund 4
01468 Moritzburg OT
Boxdorf
Germany |

hereinafter termed "inventors", have invented certain new and useful improvements in

**HIGH ENERGY, LOW ENERGY DENSITY, RADIATION-RESISTANT OPTICS USED
WITH MICRO-ELECTROMECHANICAL DEVICES**

and have filed an application for a United States patent disclosing and identifying the above invention on 2 January 2003 as Application No. 10/335,981. OR are filing such an application herewith, and have executed an oath or declaration of inventorship for such application on:

- (1) the _____ day of _____, 2003;
- (2) the _____ day of _____, 2003;
- (3) the _____ day of _____, 2003;
- (4) the _____ day of _____, 2003;
- (5) the _____ day of _____, 2003;
- (6) the _____ day of _____, 2003;

(hereinafter termed "application"); and

WHEREAS, Micronic Laser Systems AB, a corporation of Sweden, having a place of business at Nytorpsvägen 9, Taby, Sweden (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively

hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.


2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

Date: July 9, 2003

Signed: 
Thomas J. Grebinski

WITNESS.

Date: _____

Signed: _____

Print Name: _____

Date: _____

Signed: _____

Ulrike A. Dauderstadt

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: _____

Signed: _____

Torbjorn Sandstrom

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: _____

Signed: _____

Ulric B. Ljungblad

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: _____

Signed: _____

Christian Kunath

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: _____

Signed: _____

Eberhard Kurth

WITNESS:

Date: _____

Signed: _____

Print Name: _____

**JOINT TO CORPORATE
ASSIGNMENT**

WHEREAS, the undersigned,

- | | |
|--|---|
| (1) Thomas J. Grebinski
230 Sydney
Alamo, CA 94507 | (2) Ulrike A. Dauderstadt
Forstereistrasse 13d
01099, Dresden
Germany |
| (3) Torbjörn Sandström
Banvagen 56
SE-435 43 Pixbo
Sweden | (4) Ulric B. Ljungblad
Alfhojdsgatan 12
431 38 Molndal
Sweden |
| (5) Christian Kunath
Rähnitzer Mühlweg 68
01108 Dresden
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Am Walthersgrund 4
01468 Moritzburg OT
Boxdorf
Germany |

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- (1) the _____ day of _____, 2003;
- (2) the _____ day of _____, 2003;
- (3) the _____ day of _____, 2003;
- (4) the _____ day of _____, 2003;
- (5) the _____ day of _____, 2003;
- (6) the _____ day of _____, 2003;

(hereinafter termed "application"); and

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Date: 5/3/2003

Signed: 
Ulrike A. Dauderstadt

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: 6.6.2003

Signed: 
Torbjorn Sandstrom

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: 3.6.03

Signed: 
Ulric B. Ljungblad


WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: 22.05.03

Signed: 
Christian Kunath

WITNESS:

Date: _____

Signed: _____

Print Name: _____

Date: 22.05.03

Signed: 
Eberhard Kurth

WITNESS: