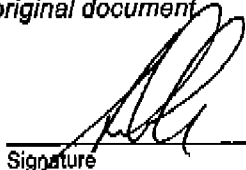


Substitute Form PTO-1595  
 Attorney Docket No.: 21384-028001  
 Client's Ref. No.: 06278PUS

## RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): <b>Lars Markwort</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <b>NaWoTec GmbH</b> <b>Industriestrasse 1</b> <b>64380 Rossdorf</b> <b>Germany</b> Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 04/18/2007	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): <b>11/600,861</b> B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: <b>SEAN P. DALEY</b> <b>Fish &amp; Richardson P.C.</b> <b>225 Franklin Street</b> <b>Boston, MA 02110</b>	6. Total number of applications/patents involved: <b>1</b> 7. Total fee (37 CFR §3.41): <b>\$40</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: <b>06-1050</b> Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
<b>DO NOT USE THIS SPACE</b>	
9. Statement and Signature: <i>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</i> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 30%;"> <b>Sean P. Daley</b>  <b>Reg. No. 40,978</b>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <b>May 10, 2007</b>            Date         </div> </div>	
Total number of pages including coversheet, attachments and document: <b>4</b>	

21634855.doc

### CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

5/10/07  
 Date of Transmission

  
 Signature

Alissa Passacantilli  
 Typed Name of Person Signing Certificate

**PATENT**

700324285

REEL: 019277 FRAME: 0157

CH \$40.00 061050 11600861

06778 Pvs

Attorney Docket No.: 21384-028001

ASSIGNMENT

This Assignment is effective November 15, 2006.

For valuable consideration, I, Lars Markwort, of Niebergallweg 5, 64367 Muehlthal, Germany; hereby assign to NAWOTEC GMBH, a corporation of Germany, having a place of business at Industriestrasse 1, 64380 Rossdorf, Germany, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent by me, Billy W. Ward, John A. Notte IV, Louis S. Farkas III, Randall G. Percival, Raymond Hill, and Dirk Aderhold, entitled ION SOURCES, SYSTEMS AND METHODS, filed November 15, 2006, and assigned U.S. Serial Number 11/600,861, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

PATENT

REEL: 019277 FRAME: 0158

Attorney Docket No.: 21384-028001

DATE: 19. APRIL 2007  
LARS MARKWORT

Witnessed by:

Name: Kristin JacobsDate: 4/18/07

Name: \_\_\_\_\_

Date: \_\_\_\_\_

21530767.doc

Attorney's Docket No.: 21384-028001  
Client's Ref. No.: 06278PUS

**OFFICIAL COMMUNICATION FACSIMILE****TO THE ATTENTION OF:****MAIL STOP ASSIGNMENT****MAIL STOP ASSIGNMENT FAX NO: 571/273-0140****Number of pages including this page 4**

Applicant : Ward et al.  
Serial No. : 11/600,861  
Filed : November 15, 2006

Art Unit : 2881  
Examiner :

**FACSIMILE COMMUNICATION**

Title : ION SOURCES, SYSTEMS AND METHODS

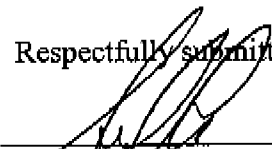
**MAIL STOP ASSIGNMENT RECORDATION SERVICES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attached to this facsimile communication cover sheet is a Recordation Form Cover Sheet and Assignment, faxed this 10 day of May, 2007, to Mail Stop Assignment Recordation Services, U.S. Patent and Trademark Office.

Date: May 10, 2007

Respectfully submitted,

  
Sean P. Daley  
Reg. No. 40,978

PTO Customer No. 26161  
Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110  
Telephone: (617) 542-5070  
Fax: (617) 542-8906

21634857.doc

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at (617) 542-5070 to arrange for its return. Thank you.

**RECORDED: 05/10/2007**

**PATENT**  
**REEL: 019277 FRAME: 0160**