



B/O FORM PTO-1595 (1/31/92)

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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:</p> <p>1) Eran DVIR</p> <p>2) Benjamin SHULMAN</p> <p><input type="checkbox"/> Additional names of conveying parties attached.</p>	<p>2. Name and Address of Receiving Party(ies):</p> <p>Name: Nova Measuring Instruments Ltd.</p> <p>Street Address: Weizmann Scientific Park P. O. B. 266</p> <p>City, State, Zip: Rehovot 76100 ISRAEL</p> <p><input type="checkbox"/> Additional name(s) and address(es) attached.</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 type="checkbox"/> Other:</p> <p>Execution Date: 1) September 16, 2003 2) September 16, 2003</p>	
<p>4. (A) Patent Application Number(s):</p> <p>10/647,123</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p><input type="checkbox"/> Additional Numbers Attached.</p>	<p>4. (B) Patent Number(s):</p>
<p>5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:</p> <p>Name: Gary M. Nath Address: NATH & ASSOCIATES 1030 15th Street, N.W. - 6th Floor Washington, D.C. 20005</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. <input type="checkbox"/> Authorized to be charged to deposit account.</p> <p>8. Deposit Account Number: 14-0112</p> <p><small>ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT</small></p>

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9. Statement and Signature:

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Name of Person Signing: Gary M. Nath Gary M. Nath, Reg. No. 26,965
 Marvin C. Berkowitz, Reg. No. 47,421
 Customer No. 20,529

Attorney Docket No.: 25667

Date: November 21, 2003

Total number of pages comprising cover sheet: 1

ASSIGNMENT

Full Name of Inventor: Eran DVIR
 Citizenship: Israeli
 Post Office Address: 15 Hapalmach Street
 Givatayim 53406
 Israel

Full Name of Inventor: Beniamin SHULMAN
 Citizenship: Israeli
 Post Office Address: 32/3 Parshani Street
 Rehovot 76651
 Israel

In consideration of the sum of one dollar (US\$ 1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby do (does) assign, transfer and set over to

Name of Assignee Nova Measuring Instruments Ltd.
 Israeli Company, of
Address of Assignee Weizmann Scientific Park
 P.O.B. 266
 Rehovot 76100
 ISRAEL

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

Title ARTICLE TRANSFER SYSTEM

for which the undersigned has (have) executed an application for patent in the United States of America, the specification of which:

- is attached hereto.
 was filed on 25/AUG/2003 as Application Serial No. 10/647,123

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agree(s) to communicate to the Assignee or representatives thereof any facts known to me (us) respecting the invention and improvements thereof, and will, upon request, but without expense to me (us), testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of Nath & Associates, PLLC the power to insert on this assignment a ny further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Full Name of Inventor: Eran DVIR

Inventor's Signature: [Signature] Date: X Sep. 16, 2003

Full Name of Inventor: Benjamin SHULMAN

Inventor's Signature: X [Signature] Date: X Sep. 16. 2003

Date X Sept. 16, 2003 Witness X [Signature] / O. Karskhanov
Date X Witness X