

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GIORA DISHON	05/02/2004
MOSHE FINAROV	05/02/2004
YOEL COHEN	05/02/2004
ZVI NIREL	05/02/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOVA MEASURING INSTRUMENTS LTD.
<b>Street Address:</b>	WEIZMANN SCIENTIFIC PARK
<b>Internal Address:</b>	P.O. BOX 266
<b>City:</b>	REHOVOT
<b>State/Country:</b>	ISRAEL
<b>Postal Code:</b>	76100
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14328199
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)737-3528
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<b>Correspondent Name:</b>	BROWDY AND NEIMARK, PLLC
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<b>ATTORNEY DOCKET NUMBER:</b>	DISHON1F
<b>NAME OF SUBMITTER:</b>	ERIN D. GERAGHTY
<b>SIGNATURE:</b>	/Erin D. Geraghty/
<b>DATE SIGNED:</b>	04/15/2015
<b>Total Attachments: 2</b>	

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**ASSIGNMENT**

Full Name of Inventor: Giora DISHON  
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 ISRAEL

Full Name of Inventor: Moshe FINAROV  
 Citizenship: Israeli  
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Full Name of Inventor: Yoel COHEN  
 Citizenship: Israeli  
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 Ness Ziona 74037  
 ISRAEL

Full Name of Inventor: Zvi NIREL  
 Citizenship: Israeli  
 Post Office Address: 127 Halilach Street  
 Mevasseret Zion 9085  
 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* MONITORING APPARATUS AND METHOD PARTICULARLY USEFUL IN  
 PHOTOLITHOGRAPHICALLY PROCESSING SUBSTRATES

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 26/01/2004 as Application Serial No. 10/763,383

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.

**PATENT**  
**REEL: 015520 FRAME: 0227**  
**PATENT**  
**REEL: 035415 FRAME: 0834**

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 Browdy and Neimark P.L.L.C the power to insert on this assignment any 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: Giora DISHON

Inventor's Signature: [Signature] Date: 2.5.04

Full Name of Inventor: Moshe FINARON

Inventor's Signature: [Signature] Date: 2.05.04

Full Name of Inventor: Yoel COHEN

Inventor's Signature: [Signature] Date: 2.5.04

Full Name of Inventor: Zvi NIREL

Inventor's Signature: [Signature] Date: 2/5/04

Date May 2, 2004 Witness [Signature] / 10. Korshakov

Date \_\_\_\_\_ Witness \_\_\_\_\_