

04-05-2007



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PATENT

Docket No.: U 016778-9

112950 U.S. PTO  
11729141



032807

3.28.07

**CERTIFICATION UNDER 37 CFR 1.10\***  
(Express Mail Label number is **mandatory**.)  
(Express Mail certification is optional.)

I hereby certify that this "Cover Sheet for Assignment (Document) Accompanying New Patent Application", along with any document referred to, is being deposited with the United States Postal Service on this date **MARCH 28, 2008**, in an envelope as "Express Mail Post Office to Addressee", Mailing Label Number **EV 927 568 687**, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Geraldine Marti*  
(Signature of person mailing paper)

**GERALDINE MARTI**  
(type or print name of person mailing paper)

**WARNING:** Certificate of mailing (first class) or facsimile transmission procedures of 37 CFR 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

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Mail Stop Patent Application  
Commissioner for Patents  
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**COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING  
NEW PATENT APPLICATION (37CFR 3.31)**

**IDENTIFICATION OF APPLICATION (37 CFR 3.21 and 37 CFR 3.31(A)(4))**

1. The patent application filed herewith and to which the attached assignment (document) refers is identified as follows:
  - a. Date of execution: MARCH 22, 2007; MARCH 21, 2007; MARCH 25, 2007.
  - b. Name of each inventor:
    1. URI HANANY
    2. ARIE SHAHAR
    3. ALEX TSIGELMAN
  - c. Title of Invention: HIGH RESOLUTION ENERGY DETECTOR

Note: "If an assignment is executed concurrently with, or subsequent to the execution of the patent application, but before the patent application is filed, it must identify the patent application by its date of execution, name of each inventor, and title of the invention so that there can be no mistake as to the patent application intended." 37 CFR 3.21.

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EXPRESS MAIL LABEL  
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**PATENT**  
**REEL: 019137 FRAME: 0563**

**Name of Party(ies) Conveying Interest (37 CFR 3.31(a)(1))**

2. The party(ies) conveying this interest is (are):

1. URI HANANY
2. ARIE SHAHAR
3. ALEX TSIGELMAN

**Name and Address of Party(ies) Receiving Interest (37 CFR 3.31(a)(2))**

3. The rights are being conveyed to:

Name: ORBOTECH MEDICAL SOLUTIONS LTD.

Address: 12 HAMADA STREET,  
REHOVOT 76703,  
ISRAEL

**Description of Interest Conveyed or Transaction Recorded (37 CFR 3.31(a)(3))**

4. The accompanying document intends to accomplish:

- an assignment.
- a security agreement.
- a license.
- a merger
- a change of name.
- a change of address
- other.

**Name and Address of Party to Whom Correspondence Should be Mailed (37 CFR 3.31(a)(5))**

5. Please address correspondence to:

Name: Clifford J. Mass  
Address: Ladas & Parry LLP  
26 West 61 Street  
New York, NY 10023  
Telephone No.: (212) 708-1890

**Date Assignment (Document) Executed (37 CFR 3.31(a)(7))**

6. The attached assignment (document) was executed on MARCH 22, 2007; MARCH 21, 2007; MARCH 25, 2007.

NOTE: "The Office will accept and record non-English language documents only if accompanied by a verified English translation signed by the individual making the translation." 37 CFR 3.26

The attached document:

- is in the English language
- is not in the English language and a verified English translation signed by the individual making the translation is attached.

**Original Document or True Copy Submitted**

NOTE: "Either the original document or a true copy of the original document may be submitted for recording. Only one side of each page shall be used. The paper used should be flexible, strong, white, non-shiny, durable, and preferably no larger than 21.6 x 33.1 cm. (8½ x 14 inches) with a 2.5 cm. (one-inch) margin on all sides." 37 CFR 3.24.

7. Submitted herewith is:

- the original document.
- a true copy of the original document.

NOTE: "If the original [assignment] document is two-sided or the wrong size, the practitioner can comply with the requirement [set out in C.F.R. §3.24] by providing a true copy of the original document using only one side of each page on the correct size paper." Notice of June 24, 1992, 1140 O.G. 63-76, at 67.

**Number of applications Identified in this Cover Sheet and the Fee (37 CFR 3.31(a)(6))**

8. A. This cover sheet identifies only one application:

B. The fee for recordal (37 CFR 1.21(h)) is \$40

- Attached is a check for \$40
- Please charge Account 12-0425 \$40  
A duplicate of this cover sheet is attached.

**Statement (37 CFR 3.31(a)(9)) and Signature (37 CFR 3.31(a)(10))**

9. 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.

Date: MARCH 28, 2007

\_\_\_\_\_  
(Name of party submitting document)

\_\_\_\_\_  
(Signature of party submitting document)

(Complete the following if the party submitting the document is applicant's attorney)

\_\_\_\_\_  
(Signature of attorney)

Reg. No. 30,086

Tel. No.: (212) 708-1890

Clifford J. Mass  
Ladas & Parry LLP  
26 West 61 Street  
New York, NY 10023

**TOTAL NUMBER OF PAGES BEING SUBMITTED**

10. The total number of pages being submitted, including cover sheet, attachment(s), and document(s) are:

Number of pages submitted 5

UNITED STATES

60895

## ASSIGNMENT

WHEREAS, the below named inventors, ASSIGNORS, have made a certain new and useful invention in:

**HIGH RESOLUTION ENERGY DETECTOR**

for which a patent application specification is attached hereto and which is being executed concurrently herewith,

and WHEREAS, ORBOTECH MEDICAL SOLUTIONS LTD., an Israel company having a place of business 12 HaMada Street, Rehovot 76703, Israel, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all the divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the said United States application under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other International agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

ASSIGNORS authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to the issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS covenant and agree that they have full right to convey the entire interest herein assigned, and have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNORS further covenant and agree that they will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

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UNITED STATES  
ASSIGNMENT

60895

Full name of first inventor: Uri El-Hanany

Inventor's signature *Uri El-Hanany* Date *22/3/2007*

Residence: Rehovot, Israel  
Citizenship: Israel  
Post Office address: 43C Gordon Street, Rehovot 76287, Israel

Full name of second joint inventor: Arie Shahar

Inventor's signature *Arie Shahar* Date *21/3/2007*

Residence: Moshav Magshimim, Israel  
Citizenship: Israel  
Post Office address: 14 David Street, Moshav Magshimim 56910, Israel

Full name of third joint inventor: Alex Tsigelman

Inventor's signature *Alex Tsigelman* Date *25-March-2007*

Residence: Petah Tikva, Israel  
Citizenship: Israel  
Post Office address: 10 Maklis Street, Petah Tikva 49570, Israel

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