

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | |
|---|--|---------------|--|---------------------|-----------------------------|-------------|------------|--------------------|------------|------------------|------------|--------------|------------|-----------------|------------|--------------|------------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Efrat Lifshitz</td><td>05/25/2010</td></tr><tr><td>Ariel Kigel</td><td>07/15/2010</td></tr><tr><td>Maya Brumer-Gilary</td><td>08/29/2010</td></tr><tr><td>Aldona Sashchiuk</td><td>05/25/2010</td></tr><tr><td>Lilac Amirav</td><td>05/27/2010</td></tr><tr><td>Viktoria Kloper</td><td>05/25/2010</td></tr><tr><td>Dima Cheskis</td><td>08/18/2010</td></tr><tr><td>Ruth Osovsky</td><td>05/25/2010</td></tr></tbody></table> | | Name | Execution Date | Efrat Lifshitz | 05/25/2010 | Ariel Kigel | 07/15/2010 | Maya Brumer-Gilary | 08/29/2010 | Aldona Sashchiuk | 05/25/2010 | Lilac Amirav | 05/27/2010 | Viktoria Kloper | 05/25/2010 | Dima Cheskis | 08/18/2010 | Ruth Osovsky | 05/25/2010 |
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| Efrat Lifshitz | 05/25/2010 | | | | | | | | | | | | | | | | | | |
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| <table border="1"><tr><td>Name:</td><td>Technion Research and Developement Foundation Ltd.</td></tr><tr><td>Street Address:</td><td>Senate House, Technion City</td></tr><tr><td>City:</td><td>Haifa</td></tr><tr><td>State/Country:</td><td>ISRAEL</td></tr><tr><td>Postal Code:</td><td>32000</td></tr></table> | | Name: | Technion Research and Developement Foundation Ltd. | Street Address: | Senate House, Technion City | City: | Haifa | State/Country: | ISRAEL | Postal Code: | 32000 | | | | | | | | |
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| Street Address: | Senate House, Technion City | | | | | | | | | | | | | | | | | | |
| City: | Haifa | | | | | | | | | | | | | | | | | | |
| State/Country: | ISRAEL | | | | | | | | | | | | | | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12780404</td></tr></tbody></table> | | Property Type | Number | Application Number: | 12780404 | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | |
| Application Number: | 12780404 | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | |
| Fax Number: (202)737-3528 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | | | |
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| Email: michael@browdyneimark.com | | | | | | | | | | | | | | | | | | | |
| Correspondent Name: Browdy and Neimark, PLLC | | | | | | | | | | | | | | | | | | | |
| Address Line 1: 1625 K Street NW | | | | | | | | | | | | | | | | | | | |
| Address Line 2: Suite # 1100 | | | | | | | | | | | | | | | | | | | |
| Address Line 4: Washington, DISTRICT OF COLUMBIA 20006 | | | | | | | | | | | | | | | | | | | |

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PATENT
REEL: 026161 FRAME: 0505

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|---|-------------------|
| ATTORNEY DOCKET NUMBER: | LIFSHITZ3B |
| NAME OF SUBMITTER: | Ronni S. Jillions |
| Total Attachments: 7 source=2011-04-21 Assignment#page1.tif source=2011-04-21 Assignment#page2.tif source=2011-04-21 Assignment#page3.tif source=2011-04-21 Assignment#page4.tif source=2011-04-21 Assignment#page5.tif source=2011-04-21 Assignment#page6.tif source=2011-04-21 Assignment#page7.tif | |

ASSIGNMENT

(1-8) Insert Name(s) of Inventors

- (1) Efrat LIFSHITZ
- (2) Ariel KIGEL
- (3) Maya BRUMER-
GILARY
- (4) Aldona
SASHCHUOK
- (5) Lilac AMIRAV
- (6) Viktoria KLOPER
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(13) Alternative Identification
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(13) U.S. Application Number 12/780,404
filed May 14, 2010

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In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned..

Efrat Lifshitz

- | | | | |
|----------|------------------|-----------------------|-------|
| (1) Date | <u>25.5.2010</u> | Signature of Inventor | _____ |
| (2) Date | _____ | Signature of Inventor | _____ |
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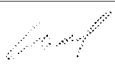
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| | | | |
|----------|---------|-----------------------|--|
| (1) Date | _____ | Signature of Inventor | _____ |
| (2) Date | 15.7.10 | Signature of Inventor | <u>Ariel KIGEL</u>  |
| (3) Date | _____ | Signature of Inventor | _____ |
| (4) Date | _____ | Signature of Inventor | _____ |
| (5) Date | _____ | Signature of Inventor | _____ |
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| | |
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| (1) Date _____ | Signature of Inventor _____ |
| (2) Date _____ | Signature of Inventor _____ |
| (3) Date <u>29.8.10</u> | Signature of Inventor <u>[Signature]</u> |
| (4) Date _____ | Signature of Inventor _____ |

TECH-007 US2

Assignment

PATENT

REEL: 026161 FRAME: 0509

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- (2) Ariel KIGEL
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

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| (2) Date _____ | Signature of Inventor _____ |
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filed May 14, 2010

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The undersigned hereby grant(s) the firm of Browdy and Neimark 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 and Trademark Office for recordation of this document.

This Assignment shall be binding upon the heirs, executors, administrators, and/or assigns of each of the undersigned, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned..

| | |
|------------------------------|---|
| (1) Date _____ | Signature of Inventor _____ |
| (2) Date _____ | Signature of Inventor _____ |
| (3) Date _____ | Signature of Inventor _____ |
| (4) Date _____ | Signature of Inventor _____ |
| (5) Date <u>May 27, 2010</u> | Signature of Inventor <u>Lilac Amirav</u> |
| (6) Date _____ | Signature of Inventor _____ |
| (7) Date _____ | Signature of Inventor _____ |
| (8) Date _____ | Signature of Inventor _____ |

PATENT

REEL: 026161 FRAME: 0511

ASSIGNMENT

(1-8) *Insert Name(s) of Inventors*

- (1) Efrat LIFSCHITZ
- (2) Ariel KIGEL
- (3) Maya BRUMER-GILARY
- (4) Aldona SASHCHUK
- (5) Lilac AMIRAV
- (6) Viktoria KLOPER
- (7) Dima CHESKIS
- (8) Ruth OSOVSKY

In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the receipt of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, and set over to

(9) *Insert Name of Assignee*

(9) Technion Research and Development Foundation Ltd.

(10) *Insert Address of Assignee*

(10) Senate House, Technion City
32000 Haifa, Israel

(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as

(11) *Insert Identification of Invention, such as Title, Case Number or Foreign Application Number*

(11) Core-Alloyed Shell Semiconductor Nanocrystals

for which the undersigned has filed or will file a provisional application, or for which undersigned has executed a non-provisional application for patent in the United States of America

(12) *Insert Date of Signing of Application*

(12) on _____

(13) *Alternative Identification for Filed Applications*

(13) U.S. Application Number 12/780,404
filed May 14, 2010

The undersigned further agrees to assign, and hereby does assign, transfer and set over to Assignee all provisional and non-provisional applications for patent and any original and reissued Letters Patents granted for said invention and all divisions and continuations of said applications, including the subject matter of any and all claims which may be obtained in every such patent; and the right, where such right can be legally exercised, in his name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention as fully and entirely as he or she could have done if the application had been filed in his or her name; and the entire interest in any Letters Patents which may be granted on any such applications in such foreign countries; and he or she does 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 on applications as aforesaid, to issue the said Letters Patents to the said Assignee, its successors, assigns, nominees or other legal representatives, as Assignee and owner of the said entire interest; and he or she does covenant that he or she has full right to convey the said entire interest herein assigned and that he or she has not executed and will not execute any agreement in conflict herewith; and he or she agrees that he or she will communicate to said Assignee, its successors, assigns, nominees or other legal representatives, all facts known to him or her respecting said inventions, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute and deliver all divisional, continuing, reissue and foreign applications, make all rightful oaths and do all lawful acts requisite for the applications for such divisional, continuing, reissue or foreign applications, or the procuring thereof, and also to execute separate assignments in connection with any such applications as the Assignee may deem necessary or expedient or essential to the full protection and title in and to the invention hereby transferred; and that if and when said Assignee, its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, he or she will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and he or she further covenants and agrees that he or she will at any time, upon request, do everything possible to aid said Assignee, its successors, assigns, nominees or other legal representatives either in his or her or Assignee's own name, to apply for, obtain and enforce proper patent protection for said inventions in all countries, according to the International Convention of 1883 and all the laws and treaties in force, all without further consideration but at the expense of said Assignee, its successors, assigns, nominees or other legal representatives.

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In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned..

| | |
|----------------------------|--|
| (1) Date _____ | Signature of Inventor _____ |
| (2) Date _____ | Signature of Inventor _____ |
| (3) Date _____ | Signature of Inventor _____ |
| (4) Date _____ | Signature of Inventor _____ |
| (5) Date _____ | Signature of Inventor _____ |
| (6) Date _____ | Signature of Inventor _____ |
| (7) Date <u>18/08/2010</u> | Signature of Inventor <u>[Signature]</u> |
| (8) Date _____ | Signature of Inventor _____ |

TECH-007 US2 Assignment

(7) Date _____ Signature of Inventor _____

(8) Date 25.5.2010 Signature of Inventor _____

Osaskey Reth

TECH 0071182 Applicant

PATENT