

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John VARADARAJAN	08/28/2007
Mirna RESAN	08/28/2007
Fanxin WU	09/05/2007
William M. PFENNINGER	09/28/2007
Nemanja VOCKIC	09/28/2007
John KENNEY	09/25/2007

RECEIVING PARTY DATA

Name:	UltraDots, Inc.,
Street Address:	2710 Sand Hill Road
Internal Address:	Suite #100
City:	Menlo Park
State/Country:	CALIFORNIA
Postal Code:	94025

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11689381

CORRESPONDENCE DATA

Fax Number: (650)857-0663
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 650-843-5000
Email: dmckay@cooley.com
Correspondent Name: Cooley Godward Kronish LLP, Patent Group
Address Line 1: Five Palo Alto Square
Address Line 2: 3000 El Camino Real
Address Line 4: Palo Alto, CALIFORNIA 94306-2155

ATTORNEY DOCKET NUMBER:

ULPH-015/01US 175021-2040

PATENT

500366574

REEL: 019904 FRAME: 0682

CH \$40.00 11689381

NAME OF SUBMITTER:

Cliff Z. Liu

Total Attachments: 12

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

source=Assignment#page7.tif

source=Assignment#page8.tif

source=Assignment#page9.tif

source=Assignment#page10.tif

source=Assignment#page11.tif

source=Assignment#page12.tif

**ASSIGNMENT
(Joint)**

John VARADARAJAN residing at **2942 Cheswycke Terrace, Apt. # 163, Fremont, CA 94536**; **Mirna RESAN** residing at **4355 Renaissance Dr. #306, San Jose, CA 95134**; **Fanxin WU** residing at **973 Helen Avenue, Apt. #3, Sunnyvale, CA 94086**; **William M. PFENNINGER** residing at **3618 Madison Commons, Fremont, CA 94538**; **Nemanja VOCKIC** residing at **2177 Alum Rock Avenue, Apt. #613, San Jose, CA 95116**; and **John KENNEY** residing at **661 Waverley Street, Palo Alto, CA 94301** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled:

**LUMINESCENT MATERIALS THAT EMIT LIGHT IN THE VISIBLE RANGE
OR THE NEAR INFRARED RANGE**

and which is a:

- (1) ☐ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. **11/689,381**, and filed on **March 21, 2007**.

WHEREAS, UltraDots, Inc., a corporation duly organized under and pursuant to the laws of **Delaware**, and having its principal place of business at **2710 Sand Hill Road, Suite #100, Menlo Park, California 94025** (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefore or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD KRONISH LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 8/28/2007

By: John Varadarajan
John VARADARAJAN

Date: _____

By: _____
Mirna RESAN

Date: _____

By: _____
Fanxin WU

Date: _____

By: _____
William M. PFENNINGER

Date: _____

By: _____
Nemanja VOCKIC

Date: _____

By: _____
John KENNEY

ASSIGNMENT
(Joint)

John VARADARAJAN residing at **2942 Cheswycke Terrace, Apt. # 163, Fremont, CA 94536**; **Mirna RESAN** residing at **4355 Renaissance Dr. #306, San Jose, CA 95134**; **Fanxin WU** residing at **973 Helen Avenue, Apt. #3, Sunnyvale, CA 94086**; **William M. PFENNINGER** residing at **3618 Madison Commons, Fremont, CA 94538**; **Nemanja VOCKIC** residing at **2177 Alum Rock Avenue, Apt. #613, San Jose, CA 95116**; and **John KENNEY** residing at **661 Waverley Street, Palo Alto, CA 94301** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled:

**LUMINESCENT MATERIALS THAT EMIT LIGHT IN THE VISIBLE RANGE
OR THE NEAR INFRARED RANGE**

and which is a:

- (1) ☐ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. **11/689,381**, and filed on **March 21, 2007**.

WHEREAS, UltraDots, Inc., a corporation duly organized under and pursuant to the laws of **Delaware**, and having its principal place of business at **2710 Sand Hill Road, Suite #100, Menlo Park, California 94025** (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefore or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD KRONISH LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: _____

By: _____

John VARADARAJAN

Date: 8/28/2007

By: Mirna Resan

Mirna RESAN

Date: _____

By: _____

Fanxin WU

Date: _____

By: _____

William M. PFENNINGER

Date: _____

By: _____

Nemanja VOCKIC

Date: _____

By: _____

John KENNEY

ASSIGNMENT
(Joint)

John VARADARAJAN residing at **2942 Cheswycke Terrace, Apt. # 163, Fremont, CA 94536**; **Mirna RESAN** residing at **4355 Renaissance Dr. #306, San Jose, CA 95134**; **Fanxin WU** residing at **973 Helen Avenue, Apt. #3, Sunnyvale, CA 94086**; **William M. PFENNINGER** residing at **3618 Madison Commons, Fremont, CA 94538**; **Nemanja VOCKIC** residing at **2177 Alum Rock Avenue, Apt. #613, San Jose, CA 95116**; and **John KENNEY** residing at **661 Waverley Street, Palo Alto, CA 94301** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled:

**LUMINESCENT MATERIALS THAT EMIT LIGHT IN THE VISIBLE RANGE
OR THE NEAR INFRARED RANGE**

and which is a:

- (1) ☐ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. **11/689,381**, and filed on **March 21, 2007**.

WHEREAS, UltraDots, Inc., a corporation duly organized under and pursuant to the laws of **Delaware**, and having its principal place of business at **2710 Sand Hill Road, Suite #100, Menlo Park, California 94025** (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefore or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD KRONISH LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: _____

By: _____

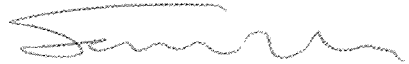
John VARADARAJAN

Date: _____

By: _____

Mirna RESAN

Date: 9/5/07

By: 

Fanxin WU

Date: _____

By: _____

William M. PFENNINGER

Date: _____

By: _____

Nemanja VOCKIC

Date: _____

By: _____

John KENNEY

ASSIGNMENT

(Joint)

John VARADARAJAN residing at 2942 Cheswycke Terrace, Apt. # 163, Fremont, CA 94536; Mirna RESAN residing at 4355 Renaissance Dr. #306, San Jose, CA 95134; Fanxin WU residing at 973 Helen Avenue, Apt. #3, Sunnyvale, CA 94086; William M. PFENNINGER residing at 3618 Madison Commons, Fremont, CA 94538; Nemanja VOICKIC residing at 2177 Alum Rock Avenue, Apt. #613, San Jose, CA 95116; and John KENNEY residing at 661 Waverley Street, Palo Alto, CA 94301 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled:

**LUMINESCENT MATERIALS THAT EMIT LIGHT IN THE VISIBLE RANGE
OR THE NEAR INFRARED RANGE**

and which is a:

- (1) ☐ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. 11/689,381, and filed on **March 21, 2007.**

WHEREAS, UltraDots, Inc., a corporation duly organized under and pursuant to the laws of **Delaware**, and having its principal place of business at **2710 Sand Hill Road, Suite #100, Menlo Park, California 94025** (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefore or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.


The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD KRONISH LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

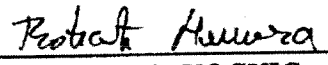
The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

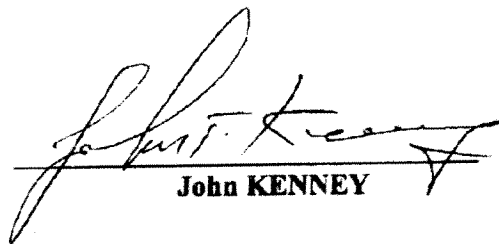
Date: _____ By: _____
John VARADARAJAN

Date: _____ By: _____
Mirna RESAN

Date: _____ By: _____
Fanxin WU

Date: 28 SEP 07 By: 
William M. PFENNIGER

Date: 9/28/2007 By: 
Nemanja VOCKIC

Date: 9-28-07 By: 
John KENNEY