

Form PTO-1595 (Rev. 03/05) [modified]  
OMB No. 0651-0027 (exp. 6/30/2005)

Via Facsimile: 703-306-5995  
Attorney Docket Nos.: 027-040101US; 027-040102US; and 027-040103WO

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)

1. Gary Edwin Snyder
2. Wil McCarthy

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 25 July 2005

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Name: The Programmable Matter Corporation

Internal Address: \_\_\_\_\_

Street Address: 1032 South Union Blvd,  
Suite 250

City: Lakewood

State: Colorado

Country: USA Zip: 80228

Additional name(s) & address(es) attached? ☐ Yes ☒ No

### 4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

1. 11/145,417
2. 11/144,326
3. PCT/US2005/019513

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

### 5. Name and address to whom correspondence concerning document should be mailed:

Name: Brad J. Hattenbach, Esq.

Registration No.: 42,642

Address: Heimbecher & Assoc., LLC

390 Union Blvd, Suite 650

City: Lakewood

State: Colorado Zip: 80228-6512

Phone Number: (303) 279-8888

Fax Number: (303) 985-0651

### 6. Total number of applications and patents involved: 3

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

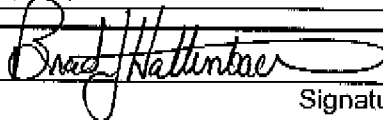
### 8. Payment Information

a. Credit Card Last 4 Numbers 1030  
Expiration Date 11/06

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

### 9. Signature:



Signature

Brad J. Hattenbach

Name of Person Signing

15 August 2005

Date

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

## ASSIGNMENT

WHEREAS WE, Gary E. Snyder of 10905 West Ohio Drive, Lakewood, CO 80226 and Wil McCarthy of 1129 South Quail Street, Lakewood, CO 80232, hereinafter ASSIGNORS, have invented certain new and useful improvements in the following inventions identified by:

Title	Application No.	Filed
Layered composite film incorporating quantum dots as programmable dopants	11/145,417	3 June 2005
Layered composite film incorporating a quantum dot shift register	11/144,326	3 June 2005
Layered composite film incorporating quantum dots as programmable dopants	PCT/US2005/019513	3 June 2005

AND WHEREAS The Programmable Matter Corporation, a corporation organized and existing under the laws of the State of Colorado, and having a business address at 1032 South Union Blvd, Suite 250, Lakewood, CO 80228, hereinafter ASSIGNEE, desires to acquire the entire right, title, and interest in, to, and under said inventions, said applications, and any and all patents to be obtained therefor throughout the world;

NOW, THEREFORE, for and in consideration of good and valuable consideration to us in hand paid by ASSIGNEE, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do hereby sell, assign, and transfer unto ASSIGNEE, its successors and assigns, our entire right, title, and interest in and to said inventions, said applications, all related applications, including provisionals, nonprovisionals, divisions, continuations, continuations-in-part, reissues, or renewals thereof, and said patents, both foreign and domestic, that may or shall issue, including all of our entire rights under any and all international conventions;

AND WE HEREBY authorize ASSIGNEE, its successors and assigns, or anyone it may properly designate, to apply for patents, in its own name if desired, in any and all foreign countries, and additionally to claim priority to the filing date of said United States applications and otherwise take advantage of the provisions of any and all international conventions;

AND WE HEREBY authorize and request any official of any State whose duty consists of issuing patents, or other evidence or forms of any industrial property protection on any aforesaid applications, to issue same to ASSIGNEE, its successors and assigns, in accordance herewith;

AND WE HEREBY covenant and agree with ASSIGNEE, its successors and assigns, that we have the full right to convey the entire interest assigned herein, and that we have not executed, and will not execute, any agreement in conflict herewith, and that we will not do any other act whatsoever conflicting with these presents, and that we or our successors, assigns,

Assignors' Initials

\_\_\_\_/\_\_\_\_

executors, or administrators will at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, its successors and assigns, communicate to ASSIGNEE, its successors and assigns, any facts known to ASSIGNORS respecting said inventions, and testify in any legal proceedings, sign any lawful papers, execute any original, divisional, continuation, continuation-in-part, and reissue applications, make any rightful oaths or declarations, and generally do such additional acts as ASSIGNEE, its successors and assigns, may deem necessary or desirable to obtain and enforce proper protection for said inventions throughout the world;

AND WE HEREBY FURTHER covenant and agree that this assignment is effective as of 3 June 2005.

IN TESTIMONY WHEREOF, ASSIGNORS hereunto set their hands on the under-mentioned day and year, and deliver this Assignment.

Date: 25 July 2005

Gary E. Snyder  
Gary E. Snyder

Date: 25 July 2005

Wil McCarthy  
Wil McCarthy

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Gary E. Snyder, to me known and known to me to be the person of that name, who signed the foregoing Assignment and acknowledged that execution of the same was a free act and deed.

07-25-2005  
(Date)

10395 W. Colfax Ave (KNOX)  
(Place) 80215, US BANK

**SANDRA ANN JOHNSON**  
**NOTARY PUBLIC**  
**STATE OF COLORADO**

My Commission Expires MAY 25, 2008

May 25, 2008  
(Commission Expiry Date)

Sandra Ann Johnson  
(Notary Public: Signature and Name)

Assignors' Initials  
\_\_\_\_/\_\_\_\_

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Wil McCarthy, to me known and known to me to be the person of that name, who signed the foregoing Assignment and acknowledged that execution of the same was a free act and deed.

07-25-2005  
(Date)

10395 W. Colfax Ave LKND 20  
(Place) 80215, US BARK



May 25, 2008  
(Commission Expiry Date)

Sandra Ann Johnson  
(Notary Public: Signature and Name)

SAID ASSIGNEE HEREBY acknowledges the aforesaid statements and accepts the aforesaid assignment, transfer, and set over of said inventions;

AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year.

25 July 2005  
(Date)

[Signature]  
(ASSIGNEE: Signature)

Wil McCarthy  
(ASSIGNEE: Printed Name)

President  
(ASSIGNEE: Title)

[Signature]  
(Witness #1: Signature)

GARY SNYDER  
(Witness #1: Printed Name)

[Signature]  
(Witness #2: Signature)

Richard Powers  
(Witness #2: Printed Name)

Assignors' Initials  
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