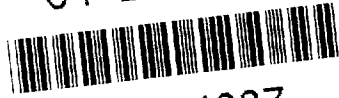


04-23-2002



102064337

OFFICE OF THE COMMISSIONER OF PATENTS AND TRADEMARKS

APR 11 10 52

FINANCE SECTION

4-17-02

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New
- Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Conveyance Type

- Assignment  Security Agreement
  - License  Change of Name
  - Merger  Other \_\_\_\_\_
- U.S. Government**  
(For Use ONLY by U.S. Government Agencies)
- Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Textron Systems Corporation Execution Date 03/28/02  
Month Day Year

Name (line 2) \_\_\_\_\_

Second Party

Name (line 1) \_\_\_\_\_ Execution Date \_\_\_\_\_  
Month Day Year

Name (line 2) \_\_\_\_\_

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Specialty Materials Incorporated

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) \_\_\_\_\_

Address (line 1) 1449 Middlesex Street

Address (line 2) \_\_\_\_\_

Address (line 3) Lowell MA/US 01851  
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Specialty Materials Incorporated

Address (line 1) 1449 Middlesex Street

Address (line 2) Lowell, MA 01851

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

FOR OFFICE USE ONLY

04/22/2002  
01 FC:581

STON11 00000130 201375 09540845  
360.00 CH

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

FORM PTO-1619B

Expires 08/30/98  
OMB 0951-0027

Page 2

U.S. Department of Commerce  
Patent and Trademark Office

PATENT

Correspondent Name and Address

Area Code and Telephone Number

508-872-3781

Name

John E. Toupal

Address (line 1)

116 Concord Street

Address (line 2)

Framingham, MA 01702

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

# 4

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/540845

09/945986

5422160

4702960

4697324

4628002

6309702

4898778

5024889

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT  
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

# 9

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

360.00

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 20-1375

Authorization to charge additional fees:

Yes

No

Statement and Signature

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. Charges to deposit account are authorized, as indicated herein.

Joan C. Lewis

Name of Person Signing

*Joan C. Lewis*  
Signature

April 3, 2002

Date

## ASSIGNMENT

WHEREAS, Textron Systems Corporation, a Delaware corporation, of 201 Lowell Street, Wilmington, Massachusetts, 01887, United States of America, ASSIGNOR, and Specialty Materials, Incorporated of 1449 Middlesex Street, Lowell, Massachusetts, 01851, United States of America, ASSIGNEE.

WHEREAS, Assignor, is the owner of the United States Letters Patent, and other foreign patents identified in Schedule A, attached hereto; and

WHEREAS, Assignor, is entitled to the benefit of certain inventions disclosed in the applications for United States Letters Patent and foreign patents identified in Schedule A, attached hereto; and

WHEREAS, Assignor desires to transfer all of their right title and interest in and to the Patents, Applications and Inventions to Assignee, and Assignee is desirous of obtaining all right, title and interest in and to the Patents, Applications, and Inventions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which Assignor hereby acknowledges, Assignor has sold, assigned and transferred, and by these presents sells, assigns and transfers to Assignee, and the successors, assigns and legal representatives of the Assignee, free from all encumbrances, all right, title and interest in and to:

1. The Patents and all rights, powers, and privileges conferred on the owner thereof (including all extensions, renewals and reissues, and foreign or international counterparts or equivalents of such patents):

2. the Applications and all divisions, substitutions, continuations and continuations-in-part thereof, and foreign or international counterparts or equivalents of such applications and all United States Letters Patents and foreign or international counterparts or equivalents, which may be granted thereon and all reissues, renewals, and extensions thereof; and

3. the Inventions and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for the inventions in the United States or any foreign country, and all patents (including all extensions, renewals and reissues thereof) granted for the Inventions in any foreign country;

together every priority right related thereto and all causes of action and the right to recover for past infringements.

Assignor hereby authorizes the Commissioner of Patents and Trademarks of the United States and the empowered officials of all other governments to transfer all Patents and Applications to the Assignee as Assignee of all right, title and interest therein or otherwise as the Assignee may direct, in accordance with this instrument of Assignment and to issue all patents for the Applications and Inventions to Assignee in accordance with the terms of this Assignment.

Assignor hereby represents and warrants, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that Assignor will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein, and Assignor agrees to execute and deliver to the Assignee any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee to file applications relating to the Patents, Applications or Inventions in any country where the Assignee may elect to file such applications, or that may be necessary to vest in the Assignee the title herein conveyed or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or

applications may be filed or otherwise aid Assignee to obtain and enforce proper patent protection in all countries relating to the subject matter hereof.

Assignor covenants and agrees, in consideration of the premises, that Assignor will at any time upon request of the Assignee communicate to the Assignee any facts relating to the Patents, Applications, and Inventions, and the history thereof, known to Assignor, and provide any documents relating thereto, and that Assignor will testify upon the request of the Assignee at the Assignee's expenses as to the same in any interference or other litigation. To the best of his knowledge and belief, Assignor further covenants that Assignor has not done, or omitted to do, any act, matter, or thing whereby the patents applied for in the Applications may be invalidated.

IN WITNESS WHEREOF, I have hereunto set hand and seal this 28<sup>th</sup> day of March, 2002.

Assignor: Textron Systems Corporation

By Lesley A Hamlin  
Lesley A. Hamlin  
Assistant Division Counsel

# SCHEDULE A

## Patents and Patent Applications

<u>Our Docket</u>	<u>Country</u>	<u>Pat./App./Reg.No.</u>	<u>Description</u>
T-SM-01	USA	5,422,160	Microwave Fiber Coating Apparatus
T-SM-02	Canada	1,183,738	Surface Treatment for Carbon
T-SM-03	USA	4,702,960	Surface Treatment for Carbon
T-SM-13	Canada	1,215,800	Bis-Maleimide-Epoxy Comp....
T-SM-14	USA	4,697,324	A Filamentary Structural Module...
T-SM-15	Germany	35 35 070	A Filamentary Structural Module...
T-SM-19	Canada	1,259,018	A Filamentary Structural Module...
T-SM-21	USA	4,628,002	Silicon Carbide Monofilament...
T-SM-22	USA	09/540,845	Silicon Carbide Composite Armor...
T-SM-23	USA	PCT/US00/08990	Composite Armor and Fabrication...
T-SM-24	Europe	00 952131.1	Composite Armor and Fabrication...
T-SM-25	Japan	PCT/US00/08990	Composite Armor and Fabrication...
T-SM-26	USA	6,309,702	Process for the Production ..Boron...
T-SM-27	USA	PCT/US99/19226	Process for the Production ..Boron...
T-SM-28	USA	09/945,986	Process for the Production ..Boron..
T-SM-29	Taiwan	88114779	Process for the Production ..Boron..
T-SM-30	Germany	19983495.4	Process for the Production ..Boron..
T-SM-31	UK	0104411.4	Process for the Production ..Boron..
T-SM-32	Japan	PCT/US99/19226	Process for the Production ..Boron..
T-SM-33	S.Korea	2001-7002570	Process for the Production ..Boron..
T-SM-34	USA	4,898,778	Silicon Carbide Monofilaments...
T-SM-39	Canada	2,001,984	Silicon Carbide Monofilaments...
T-SM-40	Japan	3,035,595	Silicon Carbide Monofilaments...
T-SM-41	USA	5,024,889	Surface Treatment for Silicon ...