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DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Attorney Docket No. 1303.45151X00

To the Honorable Commissioner of

103162323

ned original documents or copy thereof.

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

Motohiro ARIFUKU  
Itsuo WATANABE  
Yasushi GOTOU  
Kouji KOBAYASHI  
Kazuyoshi KOJIMA

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

HITACHI CHEMICAL CO., LTD.  
1-1, Nishi-Shinjuku 2-chome  
Shinjuku-ku, Tokyo 163-0449  
JAPAN

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: June 6, 2005

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

If this document is being filed together with a new application, the execution date of the application is: June 6, 2005

A. Patent Application No.(s)

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

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

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800City: **ARLINGTON** State: **VA** Zip **22209**6. Total number of applications and patents involved **1**7. Total fee (37 CFR 3.41)..... **\$40.00**☒ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

**01-2135**

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## 9. 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.*

WILLIAM I. SOLOMON, Reg#28,565

Name of Person Signing

Signature

07/06/2005

Date

Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:  
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PATENT  
REEL: 017457 FRAME: 0014

**ASSIGNMENT**

Whereas, I/we,

NameAddress

c/o Goshomiya Works, HITACHI CHEMICAL CO., LTD.,

1) **Motohiro ARIFUKU**1150, Goshomiya,  
Chikusei-shi, Ibaraki 308-8524 Japan

c/o Goshomiya Works, HITACHI CHEMICAL CO., LTD.,

2) **Itsuo WATANABE**1150, Goshomiya,  
Chikusei-shi, Ibaraki 308-8524 Japan

c/o Goshomiya Works, HITACHI CHEMICAL CO., LTD.,

3) **Yasushi GOTOU**1150, Goshomiya,  
Chikusei-shi, Ibaraki 308-8524 Japan

c/o Goshomiya Works, HITACHI CHEMICAL CO., LTD.,

4) **Kouji KOBAYASHI**1150, Goshomiya,  
Chikusei-shi, Ibaraki 308-8524 Japan

c/o Goshomiya Works, HITACHI CHEMICAL CO., LTD.,

5) **Kazuyoshi KOJIMA**1150, Goshomiya,  
Chikusei-shi, Ibaraki 308-8524 Japan

hereinafter called assignor(s), have invented certain improvements in

**CIRCUIT CONNECTING MATERIAL, FILM-FORM CIRCUIT CONNECTING MATERIAL USING THE SAME, CIRCUIT MEMBER CONNECTING STRUCTURE AND METHOD OF MANUFACTURING THE SAME**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

Whereas

**HITACHI CHEMICAL CO., LTD.**1-1, Nishi-Shinjuku 2-chome,  
Shinjuku-ku, Tokyo 163-0449 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED1) Motohiro Arifuku  
Name: **Motohiro ARIFUKU**June 6, 20052) Itsuo Watanabe  
Name: **Itsuo WATANABE**June 6, 20053) Yasushi Goto  
Name: **Yasushi GOTOU**June 6, 20054) Kouji Kobayashi  
Name: **Kouji KOBAYASHI**June 6, 2005

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

5):

Name:

Kazuyoshi Kojima

Kazuyoshi KOJIMA

June. 6. 2005

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

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