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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney Docket No. 1204.44696X00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
**Kenji TAKAI
Norio MORIIKE
Kenichi KAMIYAMA
Takako Watanabe
Shin TAKANEZAWA
Koji MORITA
Katsuyuki MASUDA
Kiyoshi HASEGAWA**

2. Name and address of receiving party(ies)
**Hitachi Chemical Co., Ltd.
1-1, Nishishinjuku 2-chome
Shinjuku-ku, Tokyo
JAPAN**

112904 U.S. PTO
11/044533



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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: **January 24, 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: **January 24, 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 17TH STREET - SUITE 1800

City: **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

(Attach duplicate copy of this page if paying by deposit account)

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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.

Alan E. Schiavelli, Reg#32,087

Name of Person Signing

Signature

01/28/2005

Date

Total number of pages including cover sheet, attachments, and document: **2**

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patent & Trademarks, Box Assignments
Washington, D.C. 20231

02/03/2005 KBETEM1 00000006 11044533

05 FC:8021

40.00 DP

ASSIGNMENT

ATTY. DOCKET NO.:

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

ADHESION ASSISTING AGENT-BEARING METAL FOIL, PRINTED WIRING BOARD, AND PRODUCTION METHOD OF PRINTED WIRING BOARD

for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.

for which U.S. Application Serial No. _____ for Letters Patent was filed in the U.S. Patent and Trademark Office on _____

for which an International Application was filed on _____ as _____, designating the United States.

HITACHI CHEMICAL CO., LTD., Japanese company at
AND WHEREAS 1-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo
 Japan

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Antonelli, Terry, Stout, Kraus, LLP 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.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

No.	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
201	Kenji TAKAI	<i>Kenji Takai</i>	January 24, 2005
202	FULL NAME OF SECOND JOINT INVENTOR Norio MORIIKE	<i>Norio Moriike</i>	January 24, 2005
203	FULL NAME OF THIRD JOINT INVENTOR Kenichi KAMIYAMA	<i>Ken-ichi Kamiyama</i>	January 24, 2005
204	FULL NAME OF FOURTH JOINT INVENTOR Takako WATANABE	<i>Takako Watanabe</i>	January 24, 2005
205	FULL NAME OF FIFTH JOINT INVENTOR Shin TAKANEZAWA	<i>Shin Takanezawa</i>	January 24, 2005
206	FULL NAME OF SIXTH JOINT INVENTOR Koji MORITA	<i>Koji Morita</i>	January 24, 2005
207	FULL NAME OF SEVENTH JOINT INVENTOR Katsuyuki MASUDA	<i>Katsuyuki Masuda</i>	January 24, 2005
208	FULL NAME OF EIGHTH JOINT INVENTOR Kiyoshi HASEGAWA	<i>Kiyoshi Hasegawa</i>	January 24, 2005