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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Director of Patents and Trade

its or copy thereof.

1. Name of Conveying party(ies):

FUKAYA, Takahiro
ENDOU, Masaki
ABE, Takuji
ITAGAKI, Katsutoshi

102461704

Name: HITACHI CHEMICAL CO., LTD.

Internal Address:

Street Address: 1-1, Nishishinjuku 2-chome, Shinjuku-ku,

Tokyo 163-0449 Japan

City: State: ZIP

Additional name(s) and address(es) attached? Yes ☒ NoAdditional name(s) of conveying party(ies) attached? Yes ☐ No ☒

3. Nature of conveyance:

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

Execution Date: January 30, 2003

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:

A. Patent Application No.(s)
10/296,911

B. Patent No.(s)

Additional numbers attached: Yes ☐ No ☒

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

Name: Bruce H. Bernstein

Internal Address: P23035

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1950 Roland Clarke Place

City: Reston State: VA ZIP: 20191

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:

19-0089

(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.

Bruce H. Bernstein, Reg. No. 29,027

Name of Person Signing

Signature

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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40.00 OF

Director of the United States Patent and Trademark office. Mail Stop Assignments
PO Box 1450 Alexandria, Virginia 22313-1450PATENT
REEL: 014110 FRAME: 0412

ASSIGNMENT

WHEREAS, **Takahiro FUKAYA**, a citizen of Japan, whose post office address is c/o Hitachi Chemical Co., Ltd., Yamazaki Works, 13-1, Higashi-cho 4-chome, Hitachi-shi, Ibaraki 317-0061 Japan, **Masaki ENDOU**, a citizen of Japan, whose post office address is c/o Hitachi Chemical Co., Ltd., Yamazaki Works, 13-1, Higashi-cho 4-chome, Hitachi-shi, Ibaraki 317-0061 Japan, **Takuji ABE**, a citizen of Japan, whose post office address is c/o Hitachi Chemical Co., Ltd., Yamazaki Works, 13-1, Higashi-cho 4-chome, Hitachi-shi, Ibaraki 317-0061 Japan, and **Katsutoshi ITAGAKI**, a citizen of Japan, whose post office address is c/o Hitachi Chemical Co., Ltd., Yamazaki Works, 13-1, Higashi-cho 4-chome, Hitachi-shi, Ibaraki 317-0061 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

Photosensitive Resin Composition, Photosensitive Element, Production Method of Resist Pattern, and Production Method of Printed Wiring Board

for which an application for Letters Patent in the United States was filed in the United States Patent and Trademark Office on November 27, 2002, and which Application is a National Stage of International Application No. PCT/JP01/04496.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043 and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1941 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 10/296,911, filed November 27, 2002) the filing date and application number of said application when known.

AND WHEREAS, **Hitachi Chemical Co., Ltd.**, a corporation organized and existing under the laws of Japan, whose post-office address is 1-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0449 Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States 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, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the 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 and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

Takahiro Fukaya
Takahiro FUKAYA

Jan/30/2003
Date

Masaki Endou
Masaki ENDOU

Jan/30/2003
Date

Takuji Abe
Takuji ABE

Jan/30/2003
Date

Katsutoshi Itagaki
Katsutoshi ITAGAKI

Jan/30/2003
Date