

12-05-2000



11-16-00

101537138

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Hodaka NORIMATSU (July 25, 2000)
 Masahiro HIRATA (July 28, 2000)
 Akira FUJISAWA (July 28, 2000)
 Tsuyoshi OTANI (July 28, 2000)
 Yukio SUEYOSHI (July 25, 2000)

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

1) Nippon Sheet Glass Co. Ltd.
 5-11, Doshomachi 3-chome
 Chuo-ku, Osaka-shi
 Osaka 541-0045
 Japan

2) Kaneka Corporation
 2-4, Nakanoshima 3-chome
 Kita-ku, Osaka-shi
 Osaka 530-8288
 Japan

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

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- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other: Correction To REEL FRAME: 011056 0051
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Execution Date: See above

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)

09/573,516

B. Patent No.(s)

Additional number(s) attached? ☐ Yes ☒ No

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

Name: Douglas P. Mueller
 Address: Merchant & Gould P.C.
 P.O. Box 2903
 Minneapolis, MN 55402-0903



6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
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Douglas P. Mueller

Name of Person Signing

Signature

November 13, 2000

Date

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PATENT
REEL: 011286 FRAME: 0028

09-14-2000



101456540

To the Commissioner of Patents and Trademarks: Please record the attached original document(s).

1. Name of conveying party(ies):

Hodaka NORIMATSU (July 25, 2000)
Masahiro HIRATA (July 28, 2000)
Akira FUJISAWA (July 28, 2000)
Tsuyoshi OTANI (July 28, 2000)
Yukio SUEYOSHI (July 25, 2000)

*MRO
8.22 w*

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

1) Nippon Sheet Glass Co., Ltd.
5-11, Doshomachi 3-chome
Chuo-ku, Osaka-shi
Osaka 541-0045
Japan

2) Kaneka Corporation
2-4, Nakanoshima 3-chome
Kita-ku, Osaka-shi
Osaka 530-8288
Japan

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: See above

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)

B. Patent No.(s)

09/573,516

Additional numbers attached? ☐ Yes ☒ No

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

Name: Douglas P. Mueller
Address: MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-2903

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

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Curtis B. Hamre

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Signature

August 17, 2000

Date

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231 on Curtis B. Hamre.

Name Curtis B. Hamre

INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS,

Inventor(s) Name,
Address, Citizenship

1. Hodaka NORIMATSU residing at c/o Nippon Sheet Glass Co., Ltd., 5-11, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, Japan and a citizen of Japan;
2. Masahiro HIRATA residing at c/o Nippon Sheet Glass Co., Ltd., 5-11, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, Japan and a citizen of Japan;
3. Akira FUJISAWA residing at c/o Nippon Sheet Glass Co., Ltd., 5-11, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, Japan and a citizen of Japan;
4. Tsuyoshi OTANI residing at c/o Nippon Sheet Glass Co., Ltd., 5-11, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, Japan and a citizen of Japan;
5. Yukio SUEYOSHI residing at c/o Nippon Sheet Glass Co., Ltd., 5-11, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, Japan and a citizen of Japan;

Date Patent Declaration
Signed and Title Serial
No. and filing date (if
known)

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on _____ for this invention, which application is entitled PHOTOELECTRIC CONVERSION DEVICE AND SUBSTRATE FOR PHOTOELECTRIC CONVERSION DEVICE and which has been given Serial Number 09/573,516 and the filing date of May 17, 2000:

Name of Corporation

AND WHEREAS 1) Nippon Sheet Glass Co., Ltd. and 2) Kaneka Corporation (herein called "ASSIGNEE"), corporations organized under the laws of Japan, and having an office and place of business at 1) 5-11, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, Japan, 2) 2-4, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 530-8288, Japan

State or Country of
Incorporation and Address

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor:

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement

affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Note: No legalization or other witness required

Hodaka Norimatsu
Signature Hodaka NORIMATSU

July 25, 2000
Date

Masahiro Hirata
Signature Masahiro HIRATA

July 28, 2000
Date

Akira Fujisawa
Signature Akira FUJISAWA

July 28, 2000
Date

Tsuyoshi Otani
Signature Tsuyoshi OTANI

July 28, 2000
Date

Yukio Sueyoshi
Signature Yukio SUEYOSHI

July 25, 2000
Date



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 26, 2000

PTAS

MERCHANT & GOULD P.C.
DOUGLAS P. MULLER
P.O. BOX 2903
MINNEAPOLIS, MN 55402-2903



101456540A

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RECORDATION DATE: 08/22/2000

REEL/FRAME: 011056/0051
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NORIMATSU, HODAKA

DOC DATE: 07/25/2000

ASSIGNOR:

HIRATA, MASAHIRO

DOC DATE: 07/28/2000

ASSIGNOR:

FUJISAWA, AKIRA

DOC DATE: 07/28/2000

ASSIGNOR:

OTANI, TSUYOSHI

DOC DATE: 07/28/2000

ASSIGNOR:

SUEYOSHI, YUKIO

DOC DATE: 07/25/2000

ASSIGNEE:

NIPPON SHEET GLASS CO., LTD.
5-11, DOSHOMACHI 3-CHOME, CHUO-KU,
"OSAKA-SHJ" -- OSAKA - SHI --
OSAKA 541-0045, JAPAN

RECORDED: 11/16/2000

PATENT
REEL: 011286 FRAME: 0032