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Akira Fujisawa (5 January 2001)
Hodaka Norimatsu (5 January 2001)
Masahiro Hirata (5 January 2001)

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

Nippon Sheet Glass Co., Ltd.
7-28, Kitahama 4-chome, Chuo-ku
Osaka-shi
Osaka 541-8559 Japan



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

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other:
- Merger
- Change of Name

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: N/A

A. Patent Application No.(s)

B. Patent No.(s)

unknown

09/791843

Additional numbers attached? Yes No

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

Name: Curtis B. Hamre
Address: Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903



6. Total number of applications and patents involved:

- 7. Total fee (37 CFR 3.41): \$40.00
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Curtis B. Hamre

February 23, 2001

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03/13/2001 TDIAZ1 00000076 09791843

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ASSIGNMENT

WHEREAS: The ASSIGNOR, comprising the following named inventor(s)

1. Akira Fujisawa of Osaka, Japan
2. Hodaka Norimatsu of Osaka, Japan
3. Masahiro Hirata of Osaka, Japan
4. _____
5. _____
6. _____
7. _____
8. _____

INVENTOR
(with address)

TITLE

has invented and owns a certain invention entitled:

PHOTOVOLTAIC DEVICE

for which application for Letters Patent of the United States was executed on even date herewith,
and

ASSIGNEE
(with address)

WHEREAS, the ASSIGNEE NIPPON SHEET GLASS CO., LTD.
7-28, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka
541-8559 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR; will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, have hereunto set hand and seal this
5th day of January, 2001.

SIGNATURE

1. Akira Fujisawa
Akira Fujisawa
2. Hodaka Norimatsu
Hodaka Norimatsu
3. Masahiro Hirata
Masahiro Hirata
4. _____
5. _____
6. _____
7. _____
8. _____

NO LEGALIZATION REQUIRED

The assignment should be signed at the same time as the patent declaration.