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1. Name of conveying party(ies):

ASAHI GLASS COMPANY LTD.

7-301

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

3. Nature of Conveyance:

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

Execution Date: June 21, 2001

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

Name: 1) KAWASAKI KASEI CHEMICALS LTD.
(50%)
2) NIPPON PAPER INDUSTRIES CO., LTD. (50%)

Address: 1) 8-2 Nihonbashi 3-chome
Chuo-ku, Tokyo 103-0027
Japan
2) 4-1, Ohji 1-chome
Kita-ku, Tokyo 114-0002
Japan

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

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)
09/463,581

B. Patent No.(s)

Additional numbers attached? Yes No

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



22850

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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8. Deposit account number: 15-0030
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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.

Marvin J. Spivak

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PATENT
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ASSIGNMENT

WHEREAS, ASAHI GLASS COMPANY LTD. of 1-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-005, Japan, a corporation organized and existing under the laws of the Country of Japan, is a joint owner with Kawasaki Kasei Chemicals Ltd. and Nippon Paper Industries Co., Ltd., by assignment, of the application for letters patent of the United States of America Serial No. 09/463,581 filed January 28, 2000, and

WHEREAS, KAWASAKI KASEI CHEMICALS LTD. of 8-2, Nihonbashi 3-chome, Chuo-ku, Tokyo 103-0027, Japan, and NIPPON PAPER INDUSTRIES CO., LTD. of 4-1, Ohji 1-chome, Kita-ku, Tokyo 114-0002, Japan, both corporations organized and existing under the laws of the Country of Japan (hereinafter referred to jointly as "ASSIGNEES"), are desirous of acquiring an undivided one-half right, title and interest each in and to said application for letters patent, the invention described therein, and in and to any and all Letters Patent that may be granted therefor in the United States and its territorial possessions;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, ASAHI GLASS COMPANY LTD. by these presents do sell, assign and transfer unto said ASSIGNEES the right, title and interest to the extent held by them for the territory of the United States of America in and to the aforesaid application for letters patent, the invention described therein and in and to any and

all Letters Patent which may be granted therefor and in and to any and all divisions, continuations, reissues, substitutions and renewals thereof.

ASAHI GLASS COMPANY LTD. hereby authorizes and requests that the Patent Office in the United States and its territorial possessions issue any and all of said Letters Patent, when granted, jointly to said ASSIGNEES as the assignees of an undivided one-half right, title and interest each, for the use and behoof of said ASSIGNEES, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, to the extent hereby assigned.

IN TESTIMONY WHEREOF, ASAHI GLASS COMPANY LTD. has caused these presents to be signed by its officer hereunto duly authorized.

ASAHI GLASS COMPANY LTD.

Date: June 21, 2001

By: Keiichi Uchida
Name: Keiichi Uchida

Title: Director, Intellectual Property
Division