1. Name of conveying party(ies):
Kazuo NISHIMOTO
Tatsuki SAKANO
Akihiro TAKEMURA
Masayuki HATTORI
Nobuo KAWAHASHI
Naoto MIYASHITA
Atsushi SHIGETA
Yoshitaka MATSUI
Kazuhiko IDA

2. Name and address of receiving party(ies):
Name: 1) JSR Corporation
2) KABUSHIKI KAISHA TOSHIBA
Address: 1) 6-10, Tsukiji 5-chome, Chuo-ku, Tokyo 104-0045 JAPAN
2) 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 JAPAN

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

3. Nature of Conveyance:
- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: November 25, 2003

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)
10/694,890

B. Patent No.(s)

Additional numbers attached? □ Yes □ No

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

Customer Number
22850
Tel. (703) 413-3000
Fax. (703) 413-2220

6. Total 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: 15-0030
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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.

Norman F. Oblon
Name of Person Signing

Signature
3/24/04
Date

Registration Number: 24,618

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PATENT
REEL: 015133 FRAME: 0973
Assignment of Application

WHEREAS, I (WE) Kazuo Nishimoto, Tatsuaki Sakano, Akihiro Takemura, Masayuki Hattori,
Nobuo Kawahashi, Naoto Miyashita, Atsushi Shigeta, Yoshitaka Matsui, and
Kazuhiro Ida of Chuo-ku, Tokyo 104-0045 Japan,
Chuo-ku, Tokyo 104-0045 Japan,
Chuo-ku, Tokyo 104-0045 Japan,
Chuo-ku, Tokyo 104-0045 Japan,
Yokohama-shi, Kanagawa 244-0842 Japan,
Fujisawa-shi, Kanagawa 251-0045 Japan,
Yokohama-shi, Kanagawa 235-0022 Japan, and
Yokohama-shi, Kanagawa 235-0021 Japan

have invented certain new and useful improvements in: AQUEOUS DISPERSION FOR CHEMICAL MECHANICAL POLISHING, CHEMICAL MECHANICAL POLISHING PROCESS, PRODUCTION PROCESS OF SEMICONDUCTOR DEVICE AND MATERIAL FOR PREPARING AN AQUEOUS DISPERSION FOR CHEMICAL MECHANICAL POLISHING for which an application for Letters Patent was executed on November 25, 2003
(Application No. 10/694890, filed October 29, 2003), and

WHEREAS, JSR Corporation, and KABUSHIKI KAISHA TOSHIBA (hereinafter referred to as “ASSIGNEE”) having a place of business at: 6-10, Tsukiji 5-chome, Chuo-ku, Tokyo 104-0045 JAPAN and 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 JAPAN

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: November 25, 2003

(Signature of Inventor) Kazuo Nishimoto

Date: November 25, 2003

(Signature of Inventor) Tatsuki Sakano

Date: November 25, 2003

(Signature of Inventor) Akihiro Takemura

Date: November 25, 2003

(Signature of Inventor) Masayuki Hattori

Date: November 25, 2003

(Signature of Inventor) Nobuo Kawahashi

Date: November 25, 2003

(Signature of Inventor) Naoto Miyashita

Date: November 25, 2003

(Signature of Inventor) Atsushi Shigeta

Date: November 25, 2003

(Signature of Inventor) Yoshitaka Matsui

Date: November 25, 2003

(Signature of Inventor) Kazuhiko Ida

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