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Attorney Docket No. 131620

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1. A. Name of conveying parties:

[1] Tetsuya NONOSHITA
[2] Naoki TOGE

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

2. A. Name and address of receiving parties:

NORITAKE CO., LIMITED
1-36, NORITAKE-SHINMACHI
3-CHOME, NISHI-KU
NAGOYA-SHI, AICHI-KEN
JAPAN

NORITAKE SUPER ABRASIVE CO., LTD.
210 TAKENO, TANUSHIMARU-CHO
KURUME-SHI, FUKUOKA-KEN
JAPAN

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

3. A. Nature of conveyance:

 Assignment Merger
 Security Agreement Change of Name
 Other _____

B. Execution Date: [1] & [2]: April 25, 2007

4. A. Patent Application No.(s) 11/714,846 B. Patent No.(s)

Additional numbers attached? Yes No

C. Title of Application: CMP PAD CONDITIONER

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

Name: James A. Oliff

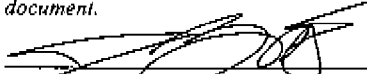
Address: OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320
Phone Number: 703-836-6400
Fax Number: 703-836-2787

6. Total number of applications and patents involved: 1

7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.


James A. Oliff Registration No. 27,075
James E. Golladay, II Registration No. 58,182

Date: May 29, 2007

PATENT

CH \$40.00 150461 11714846

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s) (1) Tetsuya NONOSHITA (2) Naoki TOGE
 (3) _____ (4) _____
 (5) _____ (6) _____
 (7) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) NORITAKE CO., LIMITED; and NORITAKE SUPER ABRASIVE CO., LTD.
 (10) Insert Address of Assignee (10) 1-36, Noritake-shinmachi 3-chome, Nishi-ku, Nagoya-shi, Aichi-ken, Japan; and 210, Takano, Tanushimaru-cho, Kurume-shi, Fukuoka-ken, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) CMP PAD CONDITIONER
 (Attorney Docket No. 131620)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) on _____

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 11/714,846
 filed March 7, 2007

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 26, 2007 Inventor Signature Tetsuya Nonoshita (SEAL)
 Tetsuya NONOSHITA
 Date April 25, 2007 Inventor Signature Naoki Toge (SEAL)
 Naoki TOGE
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date 04. 25. 2007 Witness Akihiko Shibata
 Date 04. 25. 2007 Witness Wataru Imazu

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s) (1) Tetsuya NONOSHITA (2) Naoki TOGE
 (3) _____ (4) _____
 (5) _____ (6) _____
 (7) _____ (8) _____

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 (10) Insert Address of Assignee (10) 1-36, Noritake-shinmachi 3-chome, Nishi-ku, Nagoya-shi, Aichi-ken, Japan; and 2-10, Takano, Taneshimaru-cho, Kurume-shi, Fukuoka-ken, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 25, 2007 Inventor Signature Tetsuya Nonoshita (SEAL)
 Tetsuya NONOSHITA
 Date April 25, 2007 Inventor Signature Naoki Toge (SEAL)
 Naoki TOGE
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
 Date _____ Inventor Signature _____ (SEAL)
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Date 04. 25. 2007 Witness Shik'ho Shik'ota
 Date 04. 25. 2007 Witness Nobuhiko Iwagawa

PATENT