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RECORDATION

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kazuya Orii; Tetsuyuki Itakura; Masahiro Sasaki; Yasutoshi Fujita; Masao Yamaguchi

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

2. Name and address of receiving party(ies)

Name: Tokyo Magnetic Printing Co., Ltd and TDK Corporation

Street Address: 5-1, Taito 1-chome, Taito-ku and 13-1, Nihonbashi 1-chome, Chuo-ku City: Tokyo State: JAPAN ZIP:

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: April 2, 1999

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) 09/294,747

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: William A. VanSanten

Internal Address:

Wood, Phillips, VanSanten, Clark & Mortimer

Street Address: 500 West Madison Street Suite 3800

City: Chicago State: IL ZIP: 60661

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

8. Deposit account number:

23-0785

(Attach duplicate copy of this page if paying by deposit account)

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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.

Nora T. Wesley Name of Person Signing

Nora T. Wesley Signature

May 19, 1999 Date

535.00051

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT

REEL: 009978 FRAME: 0982

A S S I G N M E N T

WHEREAS, we,

Kazuya Orii, a citizen of Japan, c/o Tokyo Magnetic Printing Co., Ltd., 5-1, Taito 1-chome, Taito-ku, Tokyo, Japan

Tetsuyuki Itakura, a citizen of Japan, c/o Tokyo Magnetic Printing Co., Ltd., 5-1, Taito 1-chome, Taito-ku, Tokyo, Japan

Masahiro Sasaki, a citizen of Japan, 273-1, Oaza Takano-machi, Saku-machi, Minamisaku-gun, Nagano-ken, Japan

Yasutoshi Fujita, a citizen of Japan, 969-5, Oaza Nagatoro, Saku-shi, Nagano-ken, Japan

Masao Yamaguchi, a citizen of Japan, 93-51, Oaza Hachiman, Komoro-shi, Nagano-ken, Japan

have invented certain new and useful improvements in

FREE ABRASIVE SLURRY COMPOSITIONS

for which we have on April 2, 1999 executed an application for United States Letters Patent; and

WHEREAS, Tokyo Magnetic Printing Co., Ltd., a Japanese Corporation, located at 5-1, Taito 1-chome, Taito-ku, Tokyo, Japan and TDK Corporation, a Japanese Corporation, located at 13-1, Nihonbashi 1-chome, Chuo-ku, Tokyo, Japan (hereinafter called the "Assignees"), are desirous of acquiring the entire right, title and interest in and to said application and the inventions and improvements therein disclosed so far as the United States of America is concerned.

NOW, THEREFORE, in good and valuable consideration paid to us by said Assignees, receipt whereof is hereby acknowledged, we do hereby assign, sell, transfer and set over unto said Assignees the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and any Letters Patent which may

issue therefor in the United States and all divisions, re-issues, continuations, renewals and/or extensions thereof, said Assignees to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, re-issues, continuations, renewals and/or extensions thereof, respectively, a fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, and of the right to make, use or sell the inventions and improvements disclosed therein within the United States and that we have the full right to make this Assignment.

And for the consideration aforesaid, we agree that we will communicate to said Assignees or the representatives thereof any facts known to us respecting the inventions and improvements of the said United States application and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, re-issue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said Assignees or by counsel for said Assignees, to assist or enable said Assignees to obtain and enforce full benefits from the rights and interest herein assigned. This Assignment shall be binding upon our heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignees.

Executed at Tokyo,

this 2nd day of April, 1999

Kazuya Orii  
Kazuya Orii

Executed at Tokyo,

this 2nd day of April, 1999

Tetsuyuki Itakura  
Tetsuyuki Itakura

Executed at Nagano,

this 2nd day of April, 1999

Masahiro Sasaki

Masahiro Sasaki

Executed at Nagano,

this 2nd day of April, 1999

Yasutoshi Fujita

Yasutoshi Fujita

Executed at Nagano,

this 2nd day of April, 1999

Masao Yamaguchi

Masao Yamaguchi