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U.S. DEPARTMENT OF COMMERCE
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Attorney Docket No. 111460

10/01/558
12/14/01



To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:
Norimitsu MURAYAMA
Woosuck SHIN
Sumihito SAGO
Makiko HAYASHI
12/14/01

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

2. A. Name and address of receiving parties:
(1) NATIONAL INSTITUTE OF ADVANCED
INDUSTRIAL SCIENCE AND TECHNOLOGY
3-1, KASUMIGASEKI 1-CHOME, CHIYODA-KU,
TOKYO 100-8921, JAPAN
(2) NORITAKE CO., LIMITED
1-36, NORITAKE-SHINMACHI 3-CHOME,
NISHI-KU, NAGOYA-SHI, AICHI-KEN, JAPAN

3. A. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

B. Execution Date: November 12, 2001

B. Additional names & addresses attached?
☒ Yes ☐ No

4. A. If this document is being filed together with a new application, the execution date of the application is: November 12, 2001

B. Patent Application No.(s) 10/014558

C. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

B. Enclosed (Check No. 125987)

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

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01 FC:581 40.00 DP

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.

Date: December 14, 2001

James A. Oliff Registration No. 27,075
Thomas J. Pardini Registration No. 30,411

Total number of pages including cover sheet, attachments, and document: 3

Continuation of Box 2:

(3) NORIMITSU MURAYAMA

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(4) WOOSUCK SHIN

206 KM HEIGHTS, 90-1, RAKUEN-CHO, SHOWA-KU, NAGOYA-SHI, AICHI-KEN 466-0822 JAPAN

ASSIGNMENT

7001009
1010994 vs

(1-8) Insert Name(s) of Inventor(s)

(1) Norimitsu MURAYAMA (2) Woosuck SHIN

(3) Sumihito SAGO (4) Makiko HAYASHI

(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 NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY;

(10) Insert Address of Assignee NORITAKE CO., LIMITED; Norimitsu MURAYAMA; and Woosuck SHIN

(10) 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921, Japan; (Share: 25%)

1-36, Noritake-shinmachi 3-chome, Nishi-ku, Nagoya-shi, Aichi-ken, Japan; (Share: 50%)

182, Sakuragaoka-cho 1-chome, Owariasahi-shi, Aichi-ken 488-0859 Japan; and (Share: 12.5%)

206 KM Heights, 90-1, Rakuen-cho, Showa-ku, Nagoya-shi, Aichi-ken 466-0822 Japan (Share: 12.5%)

(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) METHOD OF PRODUCING FINE PARTICLES OF METAL OXIDE

(Attorney Docket No. 111460)

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 November 12, 2001

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number _____

filed December 14, 2001

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	<u>November 12, 2001</u>	Inventor Signature	<u>Murayama</u>	(SEAL)
Date	<u>November 12, 2001</u>	Inventor Signature	<u>Woosuck Shin</u>	(SEAL)
Date	<u>November 12, 2001</u>	Inventor Signature	<u>Sumihito Sago</u>	(SEAL)
Date	<u>November 12, 2001</u>	Inventor Signature	<u>Makiko Hayashi</u>	(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	<u>November 12, 2001</u>	Witness	<u>A. Shibata</u>
Date	<u>November 12, 2001</u>	Witness	<u>Megumi Iida</u>