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10/344453

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FORM 1595 06-10-2003 U.S. DEPARTMENT OF COMMERCE  
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102468908

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

<p>1. Name of conveying party(ies): <b>2-12-03</b></p> <p>1) Yoshitsugu UCHINO; 2) Hidehiko YAMASAKI; 3) Kazuaki TAKAHASHI</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>NAME: MITSUI MINING &amp; SMELTING CO., LTD.</p> <p>ADDRESS: 11-1, Osaki 1-chome, Shinagawa-ku Tokyo 144-8584, JAPAN</p> <p>Additional name(s) &amp; addresses(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Name of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution/Effective Date: 1) January 6, 2003; 2) January 6, 2003; 3) January 9, 2003.</p>	

4. Application number(s) or patent number(s): **10344453**

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

<p>A. Patent Application No.(s)</p> <p>PCT/JP01/08087</p>	<p>B. Patent No.(s)</p>
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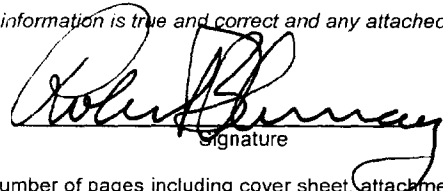
Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Robert B. Murray Internal Address: Rothwell, Figg, Ernst &amp; Manbeck Suite 800 Street Address: 1425 K St., N.W. City: Washington, State: D.C. Zip: 20005 Telephone No.: 202/783-6040 Facsimile No.: 202/783-6031</p> <p>Attorney Docket No.: 2922-101</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): . . . \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 02-2135</p> <p>Attach duplicate copy of this page if paying by deposit account</p>
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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.*

Robert B. Murray		<u>2/11/03</u>
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments and documents: 2

02/04/2003 14:00 (27110) 謝芳記

Attorney Docket Number: \_\_\_\_\_

Rothwell, Figg, Ernst & Manbeck, P.C.

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, I/We Yoshitsugu Uchino, a citizen of JAPAN,  
First Named Inventor

residing at c/o Mitsui Mining & Smelting Co., Ltd. Basic Materials Sector Rare Metals Division, 11-1, Osaki 1-chome, Shinagawa-ku,  
Tokyo 141-8584, Japan, Hidehiko Yamasaki, a citizen of JAPAN

Second named Inventor, if any  
residing at c/o Mitsui Mining & Smelting Co., Ltd. Basic Materials Sector Rare Metals Division, 11-1, Osaki 1-chome, Shinagawa-ku,

Tokyo 141-8584, Japan, Kazuaki Takahashi, a citizen of JAPAN

Third Named Inventor, if any  
residing at c/o Mitsui Mining & Smelting Co., Ltd. Corporate R&D Center, 1333-2 Haraichi, Ageo-shi, Saitama

362-0021, Japan, a citizen of \_\_\_\_\_

Fourth Named Inventor, if any  
residing at \_\_\_\_\_

ASSIGNOR(S), am/are the inventor(s) of an invention in (insert title) CERIUM-BASED ABRASIVE, METHOD OF EXAMINING  
QUALITY THEREOF, AND METHOD OF PRODUCING THE SAME

for which I/we have executed an application for Letters Patent of the United States,

[ ] of even date herewith;

(Check One) [ ] U.S. Serial Number \_\_\_\_\_ filed \_\_\_\_\_;  
[X] International Application No. PCT/JP01/08087 filed on September 18, 2001;

and

WHEREAS, Mitsui Mining & Smelting Co., Ltd. (Japanese corporation) of 11-1, Osaki 1-chome,  
Shinagawa-ku, Tokyo 141-8584, JAPAN

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reexamination certificates, reissues and extensions thereof, and I/we hereby authorize and request the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention at the expense of the ASSIGNEE.

IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s) and seal(s) the day and year set opposite my/our signature(s).

<u>内野 義嗣</u>	<u>Yoshitsugu Uchino</u>	L.S.	Date	<u>6 January</u>	<u>20 03</u>
<u>山崎 秀彦</u>	<u>Hidehiko Yamasaki</u>	L.S.	Date	<u>6 January</u>	<u>20 03</u>
<u>高橋 和明</u>	<u>Kazuaki TAKAHASHI</u>	L.S.	Date	<u>9 January</u>	<u>20 03</u>
		L.S.	Date		<u>20</u>

Witness: 高橋 和明  
MIKIO TAKAHASHI Jan. 6, 2003  
Name Date  
植村 豊秀 Jan. 9, 2003  
Teyohide Uemura Name Date

Foreign Inventor Sole/Joint Assignment

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