

01-03-2000

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231



101235476

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

MRD 12.22.99

Attorney Docket No. 104545

To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof.

1. A. Name of conveying party(ies):

Ryo SAKAMOTO
Ryuichi TOBA
Hiroyuki IKEDA

2. A. Name and address of receiving party(ies):

DOWA MINING CO., LTD.
8-2, MARUNOUCHI 1-CHOME,
CHIYODA-KU, TOKYO, 100-0005 JAPAN

B. Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. A. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

B. Additional name(s) & address(es) attached?

☐ Yes ☒ NoB. Execution Date: October 25, 1999 and October 30, 1999

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

B. Patent Application No.(s) 09/415,459

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: 17. A. Total fee (37 CFR 3.41).....\$ 40.00B. Enclosed (Check No. 104556)

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
James A. Oliff
Thomas J. Pardini

Thomas J. Pardini
Registration No. 27,075
Registration No. 30,411

Date: December 22, 1999Total number of pages including cover sheet, attachments, and document: 2

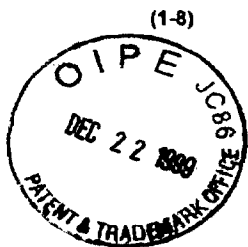
12/23/1999 C00RACHA 00000066 09415429

02 FC:581

40.00 OP

PATENT
REEL: 010459 FRAME: 0501

ASSIGNMENT



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

(1) Ryo SAKAMOTO (5) _____
 (2) Ryuichi TOBA (6) _____
 (3) Hiroyuki IKEDA (7) _____
 (4) _____ (8) _____

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

(10) Insert Name of Assignee
 Insert Address of Assignee

(9) DOWA MINING CO., LTD.
 (10) 8-2, Marunouchi 1-Chome, Chiyoda-Ku, Tokyo, 100-0005 Japan

(hereinafter designated as the Assignee) 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) SURFACE PREPARATION METHOD AND SEMICONDUCTOR DEVICE

(Attorney Docket No. 104545)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application

(12) on October 25, 1999 and October 30, 1999

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number 09/415,459
 filed October 14, 1999

1) The undersigned agree(s) 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 Assignees may deem necessary.

2) The undersigned agree(s) 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) The undersigned agree(s) 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) The undersigned agree(s) 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) The undersigned hereby authorize(s) and request(s) the Commissioner 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 hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE, P.L.C. the power to insert on this assignment any further identification 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.

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

Date	<u>October 30, 1999</u>	Name of Inventor	<u>Ryo Sakamoto</u>	(SEAL)
Date	<u>October 25, 1999</u>	Name of Inventor	<u>Ryuichi Toba</u>	(SEAL)
Date	<u>October 25, 1999</u>	Name of Inventor	<u>Hiroyuki Ikeda</u>	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)
Date	_____	Name of Inventor	_____	(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	_____	Witness	_____
Date	_____	Witness	_____