Docket No.: 02058CIP/HG

RECORD!

12-02-2003

102612311

11.2603

## PATENTS ONLY

1 7	(TEIVIO GIVE)
To the Commissioner of Patents: Please record the at	ttached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Kishio TAYAMA	DOWA MINING CO., LTD.
Toshiaki HODOZUKA	8-2, Marunouchi 1-chome Chiyoda-ku, Tokyo, Japan
3. Nature of conveyance: - ASSIGNMENT	· · · · · · · · · · · · · · · · · · ·
Execution Date(s): November 18, 2003, and Nove	application, the execution date of the application is a foliativs:
4. Application number(s) or patent number(s):	· · · · · · · · · · · · · · · · · · ·
	application, the execution date of the application is a foliative:
	,, respectivel
A. Patent Application No. (s)	B. Patent No.(s)
10/613,545	
5. Name and address of party to whom corresponde	nce concerning document should be mailed:
FRISHAUF, HOLTZ, GOODMAN 767 Third Avenue, 25th Floor New York, New York 10017-20	
6. Total number of applications and patents involved:1	7. Total fee (37 CFR 3.41): \$ 40.00
•	[ ] Amount included with filing fee attached hereto.
	[X] Check enclosed.
$\textbf{8}_{\bullet}$ . To the extent not tendered by check, authorization is gi	ven to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.
9. Statement and signature:	
To the best of my knowledge and belief, the foreg original document.	oing information is true and correct and any attached copy is a true copy of the
Dated: November 25, 2003	By: RICHARD S. BARTH Reg. No. 28,180
CERTIFICATE OF MAILING	
I hereby certify this correspondence is being deposifiest Class mail with sufficient postage in an envelopment of U.S. Patent and To 22313-1450 on the date noted below.	lope addressed to: Mail Stop Assignment
Attorney: Richard S. Barth	Dated: November 25, 2003
5/02 01/2003 LMUELLER: 00000124 10613545	ber of pages including cover sheet, attachments and document:2

PATENT REEL: 014736 FRAME: 0005

## ASSIGNMENT

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of an invention described in an application for United States patent entitled:

## METHOD AND APPARATUS FOR ENHANCED PURIFICATION OF HIGH-PURITY METALS.

sell and assign to DOWA MINING CO., LTD.

a corporation of Japan

having a business address at 8-2, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent accorded Serial No. 10/613,545 filed on July 2, 2003;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial Number and filing date of said application when known.

SERIAL NO .:

**FILING DATE:** 

Frishauf, Holtz, Goodman & Chick, P.C., 767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023.

INVENTOR: SIGNATURE	DATE	POST OFFICE ADDRESS
Sign: 1Cishio Jujana	Date: 18. November 2003	Address: c/o DOWA MINING CO., LTD. 8-2, Marunouchi 1-chome Chiyoda-ku, Tokyo, Japan
Type: Kishio TAYAMA	Witness: Masucke	
sign: Toshiaki HODOZUKA	Date: 18 November 2003	Address: c/o DOWA MINING CO., LTD. 8-2, Marunouchi 1-chome Chiyoda-ku, Tokyo, Japan
Type: Toshiaki HODOZUKA	Witness: Maruoka	
Sign:	Date:	Address:
Type:	Witness:	
Sign:	Date:	Address:
Туре:	Witness:	
NOTES: MUST BE DATED. WITNESS DESIRABLE. LEGALIZATION NOT REQUIRED.		

RECORDING OFFICER:

After recording, please return to:

FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C. 767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023 Tel. No.: (212) 319-4900 Fax No.: (212) 319-5101

PATENT REEL: 014736 FRAME: 0006