



**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: <i>Kishio TAYAMA</i>	Date: 18. November. 2003	Address: c/o DOWA MINING CO., LTD. 8-2, Marunouchi 1-chome Chiyoda-ku, Tokyo, Japan
Type: Kishio TAYAMA	Witness: <i>M. Maruoka</i>	
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: <i>M. Maruoka</i>	
Sign:	Date:	Address:
Type:	Witness:	
Sign:	Date:	Address:
Type:	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

RECORDED: 11/28/2003

PATENT  
REEL: 014736 FRAME: 0006