

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Dowa Holdings Co., Ltd.	11/21/2007
RECEIVING PARTY DATA	
Name:	Dowa Metals & Mining Co., Ltd.
Street Address:	4-14-1 Soto-kanda
City:	Chiyoda-ku, Tokyo
State/Country:	JAPAN
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	10521818
Application Number:	10548440
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ATTORNEY DOCKET NUMBER:	12065-0056 TO DOWA METALS
NAME OF SUBMITTER:	Christopher W. Brody
Total Attachments: 3	
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OP \$80.00 10521818

ASSIGNMENT

This is an Assignment of the following rights, title and interest:

- United States of America rights, title and interest in the inventions**
- Foreign rights, title and interest in the invention
- International Application No. _____
Date of Filing: _____
- For which an application for a U.S. Patent was executed on _____
- United States Patent Application Numbers found on the attached Addendum**
Date of Filing: _____

Assignor: **DOWA HOLDINGS CO., LTD**
4-14-1 Soto-kanda, Chiyoda-ku, Tokyo, JAPAN

Assignee: **DOWA METALS & MINING CO., LTD**
4-14-1 Soto-kanda, Chiyoda-ku, Tokyo, JAPAN

Whereas, the above-identified Assignor is an owner of record of the Patent Applications in the attached Addendum, and;

Whereas, the above-identified Assignee is desirous of acquiring the entire right, title and interest held by Assignor in the Patent Applications in the attached Addendum;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

Assignor hereby assigns, sells and transfers its above-identified rights, title and interest in said applications as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted or have granted for said applications, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to Assignor with respect to the filing of applications for patents or securing of patents in the United States, unto said Assignee.

And Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said applications to said Assignee, as assignee of the whole right, title and interest thereto;

And Assignor further agrees to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said applications for patent, and/or, for obtaining any reissue or reissues of any Letters Patents which may be granted for the aforesaid applications, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Executed this 21th day of November, 2007.

By: Masaki Kohno
Kohno Masaki
Representative Director President
Dowa Holdings Co., Ltd

Executed this 19th day of November 2007.

By: T. Ohnishi
Ohnishi Tetsuo
Representative Director President
Dowa Metals & Mining Co., Ltd

ADDENDUM

1	10521818
2	10548440