

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																														
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignor to read "Nippon Mining & Metals" previously recorded on Reel 015000 Frame 0156. Assignor(s) hereby confirms the assignment of the entire right, title and interest to Nikko Metal Manufacturing Co., Ltd..																														
CONVEYING PARTY DATA																															
<table><tr><td>Name</td><td>Execution Date</td></tr><tr><td>Nippon Mining & Metals Co., Ltd.</td><td>06/22/2004</td></tr></table>		Name	Execution Date	Nippon Mining & Metals Co., Ltd.	06/22/2004																										
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<table><tr><td>Name:</td><td>Nikko Metal Manufacturing Co., Ltd.</td></tr><tr><td>Street Address:</td><td>3 Kurami, Samukawa-cho</td></tr><tr><td>City:</td><td>Koza-gun, Kanagawa</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	Nikko Metal Manufacturing Co., Ltd.	Street Address:	3 Kurami, Samukawa-cho	City:	Koza-gun, Kanagawa	State/Country:	JAPAN																						
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PROPERTY NUMBERS Total: 32																															
<table><tr><th>Property Type</th><th>Number</th></tr><tr><td>Patent Number:</td><td>4666666</td></tr><tr><td>Patent Number:</td><td>4666667</td></tr><tr><td>Patent Number:</td><td>4908072</td></tr><tr><td>Patent Number:</td><td>5169083</td></tr><tr><td>Patent Number:</td><td>5395461</td></tr><tr><td>Patent Number:</td><td>5559827</td></tr><tr><td>Patent Number:</td><td>5645654</td></tr><tr><td>Patent Number:</td><td>5650088</td></tr><tr><td>Patent Number:</td><td>5849420</td></tr><tr><td>Patent Number:</td><td>5891271</td></tr><tr><td>Patent Number:</td><td>5895009</td></tr><tr><td>Patent Number:</td><td>5916380</td></tr><tr><td>Patent Number:</td><td>5962965</td></tr><tr><td>Patent Number:</td><td>6024809</td></tr></table>		Property Type	Number	Patent Number:	4666666	Patent Number:	4666667	Patent Number:	4908072	Patent Number:	5169083	Patent Number:	5395461	Patent Number:	5559827	Patent Number:	5645654	Patent Number:	5650088	Patent Number:	5849420	Patent Number:	5891271	Patent Number:	5895009	Patent Number:	5916380	Patent Number:	5962965	Patent Number:	6024809
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PATENT

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REEL: 015341 FRAME: 0391

Patent Number:	6093499
Patent Number:	6099669
Patent Number:	6197433
Patent Number:	6231694
Patent Number:	6348111
Patent Number:	6372058
Patent Number:	6372061
Patent Number:	6379477
Patent Number:	6391254
Patent Number:	6403234
Patent Number:	6459195
Patent Number:	6500281
Patent Number:	6508892
Patent Number:	6508893
Patent Number:	6572714
Patent Number:	6600259
Patent Number:	6602362
Patent Number:	6613451

CORRESPONDENCE DATA

Fax Number: (202)293-7860
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 202-663-7925
Email: kclark@sughrue.com
Correspondent Name: David J. Cushing
Address Line 1: 2100 Pennsylvania Avenue NW
Address Line 2: Suite 800
Address Line 4: Washington, D.C., DISTRICT OF COLUMBIA 20037

NAME OF SUBMITTER:	David J. Cushing
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Total Attachments: 9
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08/18/2004
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nikko Mining & Metals Co., Ltd.	06/22/2004
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Name:	Nikko Metal Manufacturing Co., Ltd.
Street Address:	3 Kurami, Samukawa-cho
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NAME OF SUBMITTER:

David J. Cushing

Total Attachments: 2

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Assignment

Whereas, Nippon Mining & Metals Co., Ltd., of 10-1, Toranomom 2-chome, Minato-ku, Tokyo, Japan, hereinafter referred to as "Assignor", is the owner of the the United States Patent Nos. listed on the attached Annex; and

Whereas, Nikko Metal Manufacturing Co., Ltd., of 3 Kurami, Samukawa-cho, Koza-gun, Kanagawa, Japan, hereinafter referred to as "Assignee", desires to acquire the entire right, title, and interest of the Assignor in the said U.S. Patents;

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, its successors and assigns, the entire right, title and interest of the Assignor in the said U.S. Patents, and any reissues or re-examinations thereof, together with all claims for damages by reason of past infringement of the said U.S. Patents with the right to Assignee to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that upon request by the Assignee, Assignor will promptly provide to Assignee all pertinent facts and documents relating to the invention claimed in the said U.S. Patents and legal equivalents as may be known and accessible to Assignor, and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers instruments or affidavits required to apply for, obtain, maintain, issue and enforce the said U.S. Patents which may be necessary by Assignee.

Nippon Mining & Metals Co., Ltd.

Date: June 22, 2004

By: Kazuo Oki
Kazuo Oki

Title: President and Representative Director

Annex

4,666,666
4,666,667
4,908,072
5,169,083
5,395,461
5,559,827
5,645,654
5,650,088
5,849,420
5,891,271
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5,916,380
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6,093,499
6,099,669
6,197,433
6,231,694
6,348,111
6,372,058
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6,391,254
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6,613,451