

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
|---|-------------------------|---------------|----------------|---------------------|------------|------------------|------------|-----------|------------|----------------|------------|-------------------|------------|--------------|------------|---------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alexei V. Smirnov</td> <td>03/24/2012</td> </tr> <tr> <td>Patrick Albright</td> <td>03/27/2012</td> </tr> <tr> <td>Cy Jordan</td> <td>03/28/2011</td> </tr> <tr> <td>Arun Nagarajan</td> <td>03/28/2012</td> </tr> <tr> <td>Michael J. Zolock</td> <td>03/28/2012</td> </tr> <tr> <td>Ryan Johnson</td> <td>03/27/2012</td> </tr> <tr> <td>Alexander Fernandez</td> <td>04/02/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Alexei V. Smirnov | 03/24/2012 | Patrick Albright | 03/27/2012 | Cy Jordan | 03/28/2011 | Arun Nagarajan | 03/28/2012 | Michael J. Zolock | 03/28/2012 | Ryan Johnson | 03/27/2012 | Alexander Fernandez | 04/02/2012 |
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| Alexei V. Smirnov | 03/24/2012 | | | | | | | | | | | | | | | | |
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| Arun Nagarajan | 03/28/2012 | | | | | | | | | | | | | | | | |
| Michael J. Zolock | 03/28/2012 | | | | | | | | | | | | | | | | |
| Ryan Johnson | 03/27/2012 | | | | | | | | | | | | | | | | |
| Alexander Fernandez | 04/02/2012 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| Name: | Hitachi Metals, Ltd. | | | | | | | | | | | | | | | | |
| Street Address: | 2-1, Shibaura 1-Chome | | | | | | | | | | | | | | | | |
| City: | Minato-Ku, Tokyo | | | | | | | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | | | | | | | |
| Postal Code: | 105-8614 | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13354631</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13354631 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 13354631 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| Fax Number: | (720)536-4910 | | | | | | | | | | | | | | | | |
| Phone: | 720.536.4900 | | | | | | | | | | | | | | | | |
| Email: | rene@neugeborenlaw.com | | | | | | | | | | | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | | | | | | | | | | | |
| Correspondent Name: | Neugeboren O'Dowd PC | | | | | | | | | | | | | | | | |
| Address Line 1: | 1227 Spruce Street | | | | | | | | | | | | | | | | |
| Address Line 2: | Suite 200 | | | | | | | | | | | | | | | | |
| Address Line 4: | Boulder, COLORADO 80302 | | | | | | | | | | | | | | | | |

OP \$40.00 13354631

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|--|----------------|
| ATTORNEY DOCKET NUMBER: | FLF1005US |
| NAME OF SUBMITTER: | Sean R. O'Dowd |
| Total Attachments: 5 source=FLF1005_Signed_Assignment#page1.tif source=FLF1005_Signed_Assignment#page2.tif source=FLF1005_Signed_Assignment#page3.tif source=FLF1005_Signed_Assignment#page4.tif source=FLF1005_Signed_Assignment#page5.tif | |

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Hitachi Metals, Ltd.

a corporation organized under the laws of the state of _____ as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

MASS FLOW CONTROLLER WITH ONBOARD DIAGNOSTICS, PROGNOSTICS, AND DATA LOGGING

described in an application for Letters Patent of the United States, identified as Attorney Docket No. FLF1005US, at Neugeboren O'Dowd PC, 1227 Spruce Street, Suite 200, Boulder, CO 80302 and filed on 1/20/2012, as Application Serial No. 13/354631, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Sean R. O'Dowd, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.



03/27/12

Inventor's Signature

DATE

Alexei V. Smirnov
Inventor's Printed Name

STATE OF _____)
COUNTY OF _____) SS

On this _____ day of _____, _____, before me personally came the above named Alexei V. Smirnov who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Patrick Albright
Inventor's Signature

03-27-2012
DATE

Patrick Albright
Inventor's Printed Name

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, _____, before me personally came the above named Patrick Albright who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Cy Jordan
Inventor's Signature

3/25/2012
DATE

Cy Jordan
Inventor's Printed Name

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, _____, before me personally came the above named Cy Jordan who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Inventor's Signature

DATE

Arun Nagarajan
Inventor's Printed Name

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, _____, before me personally came the above named Arun Nagarajan who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Michael J. Zolock
Inventor's Signature

28 Mar 2012
DATE

Michael J. Zolock
Inventor's Printed Name

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, _____, before me personally came the above named Michael J. Zolock who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Ryan Johnson
Inventor's Signature

March 27, 2012
DATE

Ryan Johnson
Inventor's Printed Name

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, _____, before me personally came the above named Ryan Johnson who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Inventor's Signature

DATE

Alexander Fernandez
Inventor's Printed Name

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, _____, before me personally came the above named Alexander Fernandez who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC
My Commission Expires: _____

Inventor's Signature _____

DATE _____

Patrick Albright
Inventor's Printed Name

STATE OF _____)
) SS
COUNTY OF _____)

On this _____ day of _____, before me personally came the above named Patrick Albright who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC _____
My Commission Expires: _____

Inventor's Signature _____

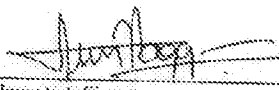
DATE _____

Cy Jordan
Inventor's Printed Name

STATE OF _____)
) SS
COUNTY OF _____)

On this _____ day of _____, before me personally came the above named Cy Jordan who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC _____
My Commission Expires: _____


Inventor's Signature

03/28/2012
DATE

Arun Nagarajan
Inventor's Printed Name

STATE OF _____)
) SS
COUNTY OF _____)

On this _____ day of _____, before me personally came the above named Arun Nagarajan who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC _____
My Commission Expires: _____

~~Page 2 of 2~~

.....
Inventor's Signature

.....
DATE

Michael J. Zolock
.....

Inventor's Printed Name

STATE OF)

) SS

COUNTY OF)

On this _____ day of _____, before me personally came the above named Michael J. Zolock who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

.....
NOTARY PUBLIC

My Commission Expires:

.....
Inventor's Signature

.....
DATE

Ryan Johnson
.....

Inventor's Printed Name

STATE OF)

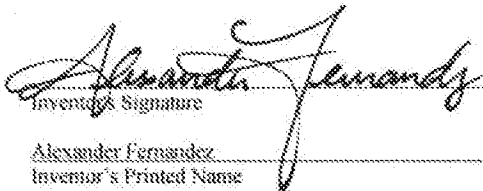
) SS

COUNTY OF)

On this _____ day of _____, before me personally came the above named Ryan Johnson who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

.....
NOTARY PUBLIC

My Commission Expires:


.....
Inventor's Signature

4/2/2012
.....
DATE

Alexander Fernandez
.....

Inventor's Printed Name

STATE OF)

) SS

COUNTY OF)

On this _____ day of _____, before me personally came the above named Alexander Fernandez who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

.....
NOTARY PUBLIC

My Commission Expires: