

PATENT ASSIGNMENT

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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>Tadahiro Yasuda</td> <td>04/27/2009</td> </tr> <tr> <td>Kazuhiro Matsuura</td> <td>04/27/2009</td> </tr> <tr> <td>Kentaro Nagai</td> <td>04/27/2009</td> </tr> <tr> <td>Daniel Mudd</td> <td>04/21/2009</td> </tr> </tbody> </table>		Name	Execution Date	Tadahiro Yasuda	04/27/2009	Kazuhiro Matsuura	04/27/2009	Kentaro Nagai	04/27/2009	Daniel Mudd	04/21/2009
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Tadahiro Yasuda	04/27/2009										
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RECEIVING PARTY DATA											
Name:	HORIBA STEC, CO., LTD.										
Street Address:	11-5, Hokodate-cho, Kamitoba										
City:	Minami-ku, Kyoto-shi										
State/Country:	JAPAN										
Postal Code:	601-8116										
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>12513353</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12513353						
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CORRESPONDENCE DATA											
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CH \$40.00 12513353

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**PATENT
 REEL: 022628 FRAME: 0817**

Total Attachments: 1
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ASSIGNMENT

WHEREAS, I/we, the following named inventor(s):

1. Tadahiro Yasuda, residing in Kobe-shi, Japan;
2. Kazuhiro Matsuura, residing in Kyoto-shi, Japan;
3. Kentaro Nagai, residing in Kyoto-shi, Japan; and
4. Daniel Mudd, residing in Saint Charles, Missouri

have invented an invention entitled DIAGNOSTIC MECHANISM IN DIFFERENTIAL PRESSURE TYPE MASS FLOW CONTROLLER, for which I/we have executed an application for Letters Patent of the United States (check one):

- (x) on the date I/we executed this assignment;
- () as U.S. Patent Application No. _____, filed _____;
- () as International Application No. PCT/ _____, filed _____;

WHEREAS, HORIBA STEC, Co., LTD., a Japanese corporation ("Assignee"), having its principal place of business at 11-5, Hokodate-cho, Kamitoba, Minami-ku, Kyoto-shi, Kyoto 601-8116, Japan is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we, the above named inventor(s), have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto Assignee, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof.

I/We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to Assignee, as the assignee of my/our entire right, title and interest in and to the same, for the sole use of the Assignee, its successors and assigns.

Further, I/we agree that I/we will communicate to Assignee, or its representatives, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to Assignee, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries except for Japan.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s) on the dates indicated below.

1. Inventor Name: _____ Tadahiro Yasuda _____ Signature: *Tadahiro Yasuda* Date: 4/27/2009

1. Inventor Name: _____ Kazuhiro Matsuura _____ Signature: *Kazuhiro Matsuura* Date: 4/27/2009

1. Inventor Name: _____ Kentaro Nagai _____ Signature: *Kentaro Nagai* Date: 4/27/2009

1. Inventor Name: _____ Daniel Mudd _____ Signature: *Dan Mudd* Date: 4/21/2009