

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>Jun FUJITA</td> <td>05/15/2013</td> </tr> <tr> <td>Kyoichi YOSHIOKA</td> <td>05/15/2013</td> </tr> <tr> <td>Yoshikatsu TAKEDA</td> <td>05/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jun FUJITA	05/15/2013	Kyoichi YOSHIOKA	05/15/2013	Yoshikatsu TAKEDA	05/15/2013
Name	Execution Date								
Jun FUJITA	05/15/2013								
Kyoichi YOSHIOKA	05/15/2013								
Yoshikatsu TAKEDA	05/15/2013								
RECEIVING PARTY DATA									
Name:	mitsubishi heavy industries, ltd.								
Street Address:	16-5, Konan 2-chome, Minato-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	108-8215								
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>13990477</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13990477				
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Application Number:	13990477								
CORRESPONDENCE DATA									
Fax Number:	2028221111								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	130647								
NAME OF SUBMITTER:	Crystal Boyer								
Signature:	/Crystal Boyer/								
Date:	05/31/2013								
Total Attachments: 1 source=130647_Assignment_05-30-2013#page1.tif									

OP \$40.00 13990477

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))
MITSUBISHI HEAVY INDUSTRIES, LTD.

16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

PIPE PROCESSING DEVICE AND PIPE PROCESSING METHOD

relating to International Patent Application PCT/JP2012/054133 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on _____;

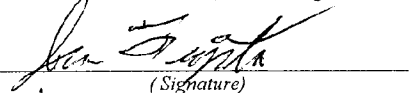
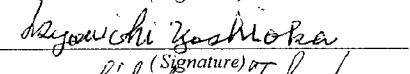
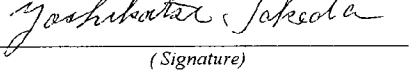
Serial No. ____ / _____;

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1)	 (Signature)	Jun FUJITA (Type Name)	May 15, 2013 (Date)
2)	 (Signature)	Kyoichi YOSHIOKA (Type Name)	May 15, 2013 (Date)
3)	 (Signature)	Yoshikatsu TAKEDA (Type Name)	May 15, 2013 (Date)
4)	_____ (Signature)	_____ (Type Name)	_____ (Date)
5)	_____ (Signature)	_____ (Type Name)	_____ (Date)