

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Katsuhide AIKAWA	06/15/2009
Hideki FUKUDA	06/15/2009
Hideaki KATAYAMA	06/15/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	mitsubishi heavy industries, ltd.
<b>Street Address:</b>	16-5, Konan 2-chome, Minato-ku
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	1088215
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12514346
<b>CORRESPONDENCE DATA</b>	
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Total Attachments: 2 source=Assignment#page1.tif	

OP \$40.00 12514346

**500907176**

**PATENT  
 REEL: 022938 FRAME: 0446**



**ASSIGNMENT**

For value received, we, 1) Katsuhide AIKAWA                      2) Hideki FUKUDA  
3) Hideaki KATAYAMA                      having post office address/residing  
at 1) c/o Hiroshima Machinery Works, MITSUBISHI HEAVY INDUSTRIES, LTD.  
6-22, Kan-on-shin-machi 4-chome, Nishi-ku, Hiroshima-shi, Hiroshima  
7388553 Japan

2) c/o Hiroshima Machinery Works, MITSUBISHI HEAVY INDUSTRIES, LTD.  
6-22, Kan-on-shin-machi 4-chome, Nishi-ku, Hiroshima-shi,  
Hiroshima 7388553 Japan

3) c/o HIROSHIMA RYOUJYU ENGINEERING CO., LTD.  
6-22, Kan-on-shin-machi 4-chome, Nishi-ku, Hiroshima-shi,  
Hiroshima 7388553 Japan

hereby sell, assign and transfer to MITSUBISHI HEAVY INDUSTRIES, LTD.  
a corporation existing under the laws of Japan located at  
16-5, Konan 2-chome, Minato-ku, Tokyo 1088215 Japan  
and its successors, assigns, and legal representatives the entire right,  
title, and interest for all countries including the United States of  
America, in and to certain inventions relating to Laterally  
independently operated column-equipped vulcanizer  
described in application for Letters Patent of the United States,  
executed by me/us on this date, and all patents which may be granted  
therefor, and all divisions, reissues, continuations and extensions  
thereof, and authorize and request the Commissioner of Patents and  
Trademarks to issue all patents on said improvements or resulting  
therefrom to said Company as assignee of the entire interest, and  
covenant that I/We have full right so to do, and agree that I/We will  
communicate to said Company or its representatives any facts known to  
me/us respecting said improvements and testify in any legal proceedings,  
sign all lawful papers, execute all divisional, continuing and reissue

applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

Signature *Katsuhide Aikawa* Date June 15, 2009  
Katsuhide AIKAWA

Signature *Hideki Fukuda* Date June 15, 2009  
Hideki FUKUDA

Signature *Hideaki Katayama* Date June 15, 2009  
Hideaki KATAYAMA

Signature \_\_\_\_\_ Date \_\_\_\_\_  
(Name)

Signature \_\_\_\_\_ Date \_\_\_\_\_  
(Name)