

PATENT ASSIGNMENT COVER SHEET

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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>YOSUKE SHINOMOTO</td> <td>12/02/2013</td> </tr> <tr> <td>KAZUNORI HATAKEYAMA</td> <td>12/02/2013</td> </tr> <tr> <td>SHINSAKU KUSUBE</td> <td>12/05/2013</td> </tr> <tr> <td>SHINYA MATSUSHITA</td> <td>12/02/2013</td> </tr> </tbody> </table>		Name	Execution Date	YOSUKE SHINOMOTO	12/02/2013	KAZUNORI HATAKEYAMA	12/02/2013	SHINSAKU KUSUBE	12/05/2013	SHINYA MATSUSHITA	12/02/2013
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SHINYA MATSUSHITA	12/02/2013										
RECEIVING PARTY DATA											
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State/Country:	JAPAN										
Postal Code:	100-8310										
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>14126867</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14126867						
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Application Number:	14126867										
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NAME OF SUBMITTER:	DAVID G. POSZ										

Signature:	/David G. Posz/
Date:	12/17/2013
Total Attachments: 1 source=_Assignment_129D_019TN_1p#page1.tif	

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 Electric Corporation

7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 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)

HEAT PUMP DEVICE, AIR CONDITIONER, AND REFRIGERATING MACHINE

relating to International Patent Application PCT/JP2011/063933 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) <u>Yosuke Shinomoto</u> (Signature)	<u>Yosuke SHINOMOTO</u> (Type Name)	<u>December 2, 2013</u> (Date)
2) <u>Kazunori Hatakeyama</u> (Signature)	<u>Kazunori HATAKEYAMA</u> (Type Name)	<u>December 2, 2013</u> (Date)
3) <u>Shinsaku KUSUBE</u> (Signature)	<u>Shinsaku KUSUBE</u> (Type Name)	<u>December 5, 2013</u> (Date)
4) <u>Shinya Matsushita</u> (Signature)	<u>Shinya MATSUSHITA</u> (Type Name)	<u>December 2, 2013</u> (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)

PATENT

RECORDED: 12/17/2013

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