

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3207734

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the DATE OF EXECUTION FOR THE THIRD INVENTOR FROM "11/20/2014" TO "12/08/2014" previously recorded on Reel 034433 Frame 0928. Assignor(s) hereby confirms the CORRECT DATE OF EXECUTION FOR THE THIRD INVENTOR IS 12/08/2014.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUTO URABE	11/20/2014
HIROKI ASO	11/20/2014
KAZUNORI SAKANOBÉ	12/08/2014
MINEO YAMAMOTO	11/20/2014
HIROYUKI ISHII	11/20/2014
JUNICHIRO OYA	11/20/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	mitsubishi electric corporation
<b>Street Address:</b>	7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-8310
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14406545
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)707-9112
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	703 707 9110
<b>Email:</b>	mailbox@poszlaw.com
<b>Correspondent Name:</b>	POSZ LAW GROUP, PLC
<b>Address Line 1:</b>	12040 SOUTH LAKES DRIVE
<b>Address Line 2:</b>	SUITE 101
<b>Address Line 4:</b>	RESTON, VIRGINIA 20191
<b>ATTORNEY DOCKET NUMBER:</b>	129D_049_TN
<b>NAME OF SUBMITTER:</b>	DAVID G. POSZ

<b>SIGNATURE:</b>	/DAVID G. POSZ/
<b>DATE SIGNED:</b>	02/02/2015
<b>Total Attachments: 5</b> source=129D_049_TN_Assignment#page1.tif source=129D_049_TN_Assignment#page2.tif source=129D_049_TN_Assignment_Confirmation#page1.tif source=129D_049_TN_Assignment_Confirmation#page2.tif source=129D_049_TN_Notice_with_Correction#page1.tif	



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**PATENT ASSIGNMENT COVER SHEET**

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Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>YUTO URABE</td><td>11/20/2014</td></tr><tr><td>HIROKI ASO</td><td>11/20/2014</td></tr><tr><td>KAZUNORI SAKANOBÉ</td><td>11/20/2014</td></tr><tr><td>MINEO YAMAMOTO</td><td>11/20/2014</td></tr><tr><td>HIROYUKI ISHII</td><td>11/20/2014</td></tr><tr><td>JUNICHIRO OYA</td><td>11/20/2014</td></tr></tbody></table>	Name	Execution Date	YUTO URABE	11/20/2014	HIROKI ASO	11/20/2014	KAZUNORI SAKANOBÉ	11/20/2014	MINEO YAMAMOTO	11/20/2014	HIROYUKI ISHII	11/20/2014	JUNICHIRO OYA	11/20/2014	
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<table border="1"><tr><td><b>Name:</b></td><td>MITSUBISHI ELECTRIC CORPORATION</td></tr><tr><td><b>Street Address:</b></td><td>7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU</td></tr><tr><td><b>City:</b></td><td>TOKYO</td></tr><tr><td><b>State/Country:</b></td><td>JAPAN</td></tr><tr><td><b>Postal Code:</b></td><td>100-8310</td></tr></table>	<b>Name:</b>	MITSUBISHI ELECTRIC CORPORATION	<b>Street Address:</b>	7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU	<b>City:</b>	TOKYO	<b>State/Country:</b>	JAPAN	<b>Postal Code:</b>	100-8310					
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<b>Address Line 4:</b>	RESTON, VIRGINIA 20191
<b>ATTORNEY DOCKET NUMBER:</b>	129D_049_TN
<b>NAME OF SUBMITTER:</b>	DAVID G. POSZ
<b>Signature:</b>	/DAVID G. POSZ/
<b>Date:</b>	12/09/2014
<b>Total Attachments: 2</b> source=Assignment_129D_049_TN#page1.tif source=Assignment_129D_049_TN#page2.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT3137991
<b>Receipt Date:</b>	12/09/2014

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**PATENT**

## 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)

PUMP, METHOD FOR MANUFACTURING PUMP, AND REFRIGERATION CYCLE DEVICE

relating to International Patent Application PCT/JP2012/065636 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) Yuto URABE  
(Signature)

Yuto URABE  
(Type Name)

November 20, 2014  
(Date)

2) Hiroki Aso  
(Signature)

Hiroki ASO  
(Type Name)

November 20, 2014  
(Date)

3) Kazunori Sakanobe  
(Signature)

Kazunori SAKANOBÉ  
(Type Name)

November 20, 2014  
(Date) November 20, 2014  
(Date) November 20, 2014  
(Date)

4) Mineo Yamamoto  
(Signature)

Mineo YAMAMOTO  
(Type Name)

November 20, 2014  
(Date)

5) Hiroyuki Ishii  
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Hiroyuki ISHII  
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November 20, 2014  
(Date)

PATENT

REEL: 034871 FRAME: 0508

6) Junichiro Oya  
(Signature)

Junichiro OYA  
(Type Name)

November 20, 2014  
(Date)