

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4792390

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
PANASONIC CORPORATION		12/06/2017
RECEIVING PARTY DATA		
Name:	PANASONIC APPLIANCES REFRIGERATION DEVICES SINGAPORE	
Street Address:	1 BEDOK SOUTH ROAD	
City:	SINGAPORE	
State/Country:	SINGAPORE	
Postal Code:	469267	
PROPERTY NUMBERS Total: 44		
Property Type	Number	
Patent Number:	9611851	
Patent Number:	6155067	
Patent Number:	6361290	
Patent Number:	7244108	
Patent Number:	6957951	
Patent Number:	7144229	
Patent Number:	7134847	
Patent Number:	7052248	
Patent Number:	7249937	
Patent Number:	7451609	
Patent Number:	7071650	
Patent Number:	7515029	
Patent Number:	7993114	
Patent Number:	7922460	
Patent Number:	7400109	
Patent Number:	8118568	
Patent Number:	7686592	
Patent Number:	8210832	
Patent Number:	7758318	
Patent Number:	7387519	

PATENT

Property Type	Number
Patent Number:	7927084
Patent Number:	7710726
Patent Number:	8157545
Patent Number:	8212504
Patent Number:	8207456
Patent Number:	8323001
Patent Number:	8235683
Patent Number:	8601933
Patent Number:	8435017
Patent Number:	D633529
Patent Number:	D633108
Patent Number:	D633109
Patent Number:	8814539
Patent Number:	D638036
Patent Number:	8764416
Patent Number:	8721304
Patent Number:	8517697
Patent Number:	9074591
Patent Number:	9541079
Patent Number:	9518571
Patent Number:	9051937
Patent Number:	8794933
Patent Number:	9506461
Patent Number:	9520815

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	MAR2-ADM.002-JGC
NAME OF SUBMITTER:	JOSEPH G. CHU
SIGNATURE:	/Joseph G. Chu/
DATE SIGNED:	01/25/2018
Total Attachments: 4	

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REEL: 044722 FRAME: 0463

ASSIGNMENT

WHEREAS, **Panasonic Corporation** whose post office address appears below, hereinafter called "ASSIGNOR," solely or jointly owns the entire title, rights and interests in the United States Patents listed in the attached **Schedule A**, collectively the "Panasonic Corp.'s U.S. Patents":

WHEREAS, **Panasonic Appliances Refrigeration Devices Singapore**, a company whose address is 1 Bedok South Road, Singapore 469267, hereinafter called "ASSIGNEE", is desirous of acquiring ASSIGNOR's entire right, title and interest in the Panasonic Corp.'s U.S. Patents therein:

NOW THEREFORE, BE IT KNOWN that for valuable considerations to them moving, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and does hereby sell, assign and transfer unto said ASSIGNEE its entire right, title and interest in and to all said inventions and discoveries disclosed in said Panasonic Corp.'s U.S. Patents, whose identifications by title, serial number, patent number, filing date and issuance date when available, are hereby authorized, and in and to said applications, all substitutions, divisions, continuations and continuations-in-part thereof, and to any and all priority rights and to all patents, United States and foreign, that may be granted for the inventions disclosed in said Panasonic Corp.'s U.S. Patents, and in and to all extensions, renewals, reissues and reexaminations thereof, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Assignment and sale had not been made;

And for the consideration aforesaid, ASSIGNOR covenants and agrees with said ASSIGNEE that it has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title it warrants unto said ASSIGNEE, its successors and assigns;

And for the consideration aforesaid, ASSIGNOR further covenants and agrees that it will, whenever requested, but without cost to it, promptly communicate to said ASSIGNEE or its representatives any facts known to ASSIGNOR relating to said invention and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said ASSIGNEE or its representatives, successors, nominees, or assigns to secure full and complete protection for said inventions and discoveries or that may be necessary to vest in said ASSIGNEE the complete title to said inventions,

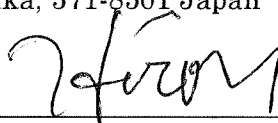
discoveries, patent applications and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto set its signature through its authorized officer to act on its behalf, as follows:

ASSIGNOR NAME: **Panasonic Corporation**

ADDRESS: 1006 Oaza Kadoma, Kadoma-shi
Osaka, 571-8501 Japan

SIGNATURE:



NAME:

Hiroki Nishida

TITLE:

Authorized Signing Officer, Intellectual Property Center

DATE:

Dec 6, 2017

SCHEDULE A

No.	Title	Application No.	Patent No.	Filing Date	Issue Date
1.	CONTROL METHOD OF ELECTRIC COMPRESSOR, CONTROLLER, AND REFRIGERATOR	14/126,298	9611851	12/13/2013	4/4/2017
2.	ENCLOSED COMPRESSOR AND COOLING SYSTEM	09/355,367	6155067	10/12/1999	12/5/2000
3.	SUCTION MUFFLER AND HERMETIC COMPRESSOR	09/719,426	6361290	12/11/2000	3/26/2002
4.	HERMETIC COMPRESSOR WITH AN IMPROVED CYLINDER HEAD-SUCTION MUFFLER ASSEMBLY	10/432,029	7244108	9/25/2003	7/17/2007
5.	CLOSED COMPRESSOR	10/433,670	6957951	6/5/2003	10/25/2005
6.	SEALED TYPE ELECTRICALLY DRIVEN COMPRESSOR	10/478,874	7144229	11/25/2003	12/5/2006
7.	HERMETIC ELECTRIC COMPRESSOR HAVING A SUCTION MUFFLER	10/467,522	7134847	12/18/2003	11/14/2006
8.	CLOSED COMPRESSOR	10/489,364	7052248	3/12/2004	5/30/2006
9.	HERMETIC ELECTRIC COMPRESSOR AND REFRIGERATION UNIT INCLUDING NON-RESONATING SUPPORT STRUCTURE FOR THE COMPRESSOR	10/498,476	7249937	6/10/2004	7/31/2007
10.	METHOD OF CONTROLLING COMPRESSOR AND CONTROLLER	10/518,029	7451609	12/15/2004	11/18/2008
11.	SYNCHRONOUS INDUCTION MOTOR AND ELECTRIC HERMETIC COMPRESSOR USING THE SAME	10/519,938	7071650	12/29/2004	7/4/2006
12.	STARTING DEVICE FOR SINGLE-PHASE INDUCTION MOTOR	10/537,010	7,515,029	5/27/2005	4/7/2009
13.	ELECTRIC COMPRESSOR	10/552,532	7993114	10/11/2005	8/9/2011
14.	REFRIGERATING COMPRESSOR	10/554,584	7922460	10/26/2005	4/12/2011
15.	INVERTER CIRCUIT AND COMPRESSOR	10/558,508	7400109	11/28/2005	7/15/2008
16.	HERMETIC COMPRESSOR	10/575,454	8118568	4/12/2006	2/21/2012
17.	COMPRESSOR	10/576,480	7686592	4/21/2006	3/30/2010
18.	HERMETIC COMPRESSOR	10/576,783	8210832	4/21/2006	7/3/2012
19.	HERMETIC COMPRESSOR	10/590,471	7758318	8/23/2006	7/20/2010
20.	DEVICE FOR PROTECTING ELECTRIC COMPONENT	10/591,874	7387519	9/7/2006	6/17/2008
21.	MAGNETIC TRAP FOR FERROUS CONTAMINANTS IN LUBRICANT	11/574540	7927084	4/17/2007	4/19/2011
22.	ELECTRONIC CIRCUIT APPARATUS FOR COMPRESSOR	12/066,912	7710726	3/14/2008	5/4/2010

No.	Title	Application No.	Patent No.	Filing Date	Issue Date
23.	HERMETIC COMPRESSOR AND METHOD OF MANUFACTURING THE SAME	12/515,097	8157545	5/15/2009	4/17/2012
24.	CONDUCTION ANGLE CONTROL OF BRUSHLESS MOTOR	12/594,261	8212504	10/1/2009	7/3/2012
25.	ELECTRONIC CIRCUIT DEVICE FOR COMPRESSOR	12/699,443	8207456	2/3/2010	6/26/2012
26.	HERMETIC COMPRESSOR	12/751,354	8323001	3/31/2010	12/4/2012
27.	HERMETIC COMPRESSOR	12/743,093	8235683	5/14/2010	8/7/2012
28.	HERMETIC COMPRESSOR AND FRIDGE-FREEZER	12/783,055	8601933	5/19/2010	12/10/2013
29.	HERMETIC COMPRESSOR AND REFRIGERATION SYSTEM	12/797,386	8435017	6/9/2010	5/7/2013
30.	PISTON FOR COMPRESSOR	29/364,946	D633529	6/30/2010	3/1/2011
31.	PISTON FOR COMPRESSOR	29/364,948	D633108	6/30/2010	2/22/2011
32.	PISTON FOR COMPRESSOR	29/364,953	D633109	6/30/2010	2/22/2011
33.	HERMETIC COMPRESSOR	12/936,588	8814539	10/6/2010	8/26/2014
34.	PISTON FOR COMPRESSOR	29/383,193	D638036	1/13/2011	5/17/2011
35.	CLOSED TYPE COMPRESSOR	13/056,260	8764416	1/27/2011	7/1/2014
36.	SEALED COMPRESSOR	13/119,380	8721304	3/16/2011	5/13/2014
37.	SEALED COMPRESSOR AND REFRIGERATION DEVICE	13/145,467	8517697	7/20/2011	8/27/2013
38.	COMPRESSOR CYLINDER BLOCK AND CYLINDER HEAD DISTORTION PREVENTION	13/233,063	9074591	9/15/2011	7/7/2015
39.	SEALED COMPRESSOR	13/443,563	9541079	4/10/2012	1/10/2017
40.	SEALED COMPRESSOR	13/460,141	9518571	4/30/2012	12/13/2016
41.	REFRIGERANT COMPRESSOR	13/672,826	9051937	11/9/2012	6/9/2015
42.	HERMETIC COMPRESSOR	13/846,346	8794933	3/18/2013	8/5/2014
43.	SEALED COMPRESSOR	14/350,318	9506461	4/7/2014	11/29/2016
44.	CONTROL DEVICE OF ELECTRIC SEALED COMPRESSOR, ELECTRIC SEALED COMPRESSOR APPARATUS, AND HOME APPLIANCE COMPRISING CONTROL DEVICE AND ELECTRIC SEALED COMPRESSOR APPARATUS	14/414,037	9520815	1/9/2015	12/13/2016