

## 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>Ryo TAKIZAWA</td> <td>03/21/2013</td> </tr> <tr> <td>Masami TANIGUCHI</td> <td>03/21/2013</td> </tr> <tr> <td>Jun YAMAZAKI</td> <td>03/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ryo TAKIZAWA	03/21/2013	Masami TANIGUCHI	03/21/2013	Jun YAMAZAKI	03/21/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>DENSO CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Showa-cho</td> </tr> <tr> <td>City:</td> <td>Kariya-city, Aichi-pref.</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>448-8661</td> </tr> </table>		Name:	DENSO CORPORATION	Street Address:	1-1, Showa-cho	City:	Kariya-city, Aichi-pref.	State/Country:	JAPAN	Postal Code:	448-8661
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2486410270  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-641-1600        Email: smcgaw@hdp.com        Correspondent Name: Harness, Dickey &amp; Pierce, P.L.C.        Address Line 1: P.O. Box 828        Address Line 2: Michael J. Schmidt        Address Line 4: Bloomfield Hills, MICHIGAN 48303</p>											
ATTORNEY DOCKET NUMBER:	4041J-002114-US-NP										
NAME OF SUBMITTER:	Susan McGaw										
Signature:	/Susan McGaw/										
Date:	04/30/2013										
<p>Total Attachments: 1        source=Assignment#page1.tif</p>											

CH \$40.00 13881945

**ASSIGNMENT BY INVENTORS**

Sole or Joint

WHEREAS, the undersigned, hereinafter referred to as Assignor(s), have invented

**TWO-STAGE COMPRESSION REFRIGERATION CYCLE DEVICE**

for which the undersigned executed an application for Letters Patent of the United States of America:

- (A)  even date herewith
- (B) \_\_\_\_\_ on \_\_\_\_\_
- (C) \_\_\_\_\_ in U.S. Appln. No. \_\_\_\_\_ filed \_\_\_\_\_

AND WHEREAS,

**DENSO CORPORATION, 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan**

hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto Assignee, its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention as described in the specification executed by Assignors of even date preparatory to filing a United States application for patent therefor, said invention and all United States applications for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made; and Assignors hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of United States application for patent and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor for the benefit of Assignee without further or other compensation than that above set forth; and Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee(s).

Ryo Takizawa  
Inventor 1: **Ryo Takizawa**

March 21, 2013  
Date

Masami Taniguchi  
Inventor 2: **Masami Taniguchi**

March 21, 2013  
Date

Jun Yamazaki  
Inventor 3: **Jun Yamazaki**

March 21, 2013  
Date