

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kazuhiro SHIMAOKA</td> <td>05/07/2010</td> </tr> <tr> <td>Kenichi NAKAJIMA</td> <td>05/07/2010</td> </tr> <tr> <td>Jun YAMAUCHI</td> <td>05/07/2010</td> </tr> <tr> <td>Shintaro SUGIMOTO</td> <td>05/07/2010</td> </tr> <tr> <td>Yoshimi KUSAMA</td> <td>05/07/2010</td> </tr> </tbody> </table>		Name	Execution Date	Kazuhiro SHIMAOKA	05/07/2010	Kenichi NAKAJIMA	05/07/2010	Jun YAMAUCHI	05/07/2010	Shintaro SUGIMOTO	05/07/2010	Yoshimi KUSAMA	05/07/2010
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>SANYO ELECTRIC CO., LTD.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>5-5, Keihan-hondori 2-chome, Moriguchi-shi,</td> </tr> <tr> <td><b>City:</b></td> <td>Osaka</td> </tr> <tr> <td><b>State/Country:</b></td> <td>JAPAN</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>570-8677</td> </tr> </table>		<b>Name:</b>	SANYO ELECTRIC CO., LTD.	<b>Street Address:</b>	5-5, Keihan-hondori 2-chome, Moriguchi-shi,	<b>City:</b>	Osaka	<b>State/Country:</b>	JAPAN	<b>Postal Code:</b>	570-8677		
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (202)756-8087</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-756-8000</p> <p>Email: Kadkins@mwe.com</p> <p>Correspondent Name: MCDERMOTT WILL &amp; EMERY LLP</p> <p>Address Line 1: 600 13TH STREET, N.W.</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-3096</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	070505-0032												
<b>NAME OF SUBMITTER:</b>	Stephen A. Becker												

CH \$40.00 12781455

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**PATENT**  
**REEL: 024395 FRAME: 0551**

Total Attachments: 2

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**RECORDATION FORM COVER SHEET**

**Docket No.: 070505-0032**

**PATENTS ONLY**

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of Conveying Party(ies)**

**Kazuhiro SHIMAOKA, Kenichi NAKAJIMA, Jun YAMAUCHI, Shintaro SUGIMOTO, Yoshimi KUSAMA**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

**3. Nature of Conveyance/Execution Date(s)**

Execution Date(s): **May 7, 2010**

- ☒ **Assignment** ☐ **Merger**  
☐ **Security Agreement** ☐ **Change of Name**  
☐ **Joint Research Agreement**  
☐ **Government Interest Assignment**  
☐ **Executive Order 9424, Confirmatory License**  
☐ **Other**

**2. Name and address of receiving party(ies)**

Name: **SANYO ELECTRIC CO., LTD.**

Internal Address:

Address: **5-5, Keihan-hondori 2-chome, Moriguchi-shi, Osaka 570-8677 JAPAN**

Additional name(s) & address(es) attached? ☐ Yes ☐ No

**4. Application or patent number(s):**

A. Patent Application No(s).

☒ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: **MCDERMOTT WILL & EMERY LLP**  
 Internal Address:  
  
 Street Address: **600 13th Street, N.W.**  
  
 City: **Washington, State: DC Zip: 20005-3096 D.C.**  
 Phone Number: **202.756.8000**  
 Fax Number: **202.756.8087**  
 Email Address:

**6. Total number of applications and patents involved:**

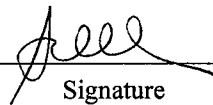
**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**  
☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information:**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_  
 b. Deposit Account Number **500417**  
 Authorized User Name \_\_\_\_\_

**9. Signature.**

**Stephen A. Becker 26,527**



**May 17, 2010**

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: **2**

(SAB)

Docket No.: \_\_\_\_\_

**ASSIGNMENT**

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Kazuhiro SHIMAOKA</u>	(6) _____
(2) <u>Kenichi NAKAJIMA</u>	(7) _____
(3) <u>Jun YAMAUCHI</u>	(8) _____
(4) <u>Shintaro SUGIMOTO</u>	(9) _____
(5) <u>Yoshimi KUSAMA</u>	(10) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SANYO Electric Co., Ltd.

5-5, Keihan-hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

REFRIGERANT DISTRIBUTOR

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Kazuhiro SHIMAOKA</u> Name: Kazuhiro SHIMAOKA	<u>May 7, 2010</u>
2) <u>Kenichi NAKAJIMA</u> Name: Kenichi NAKAJIMA	<u>May 7, 2010</u>
3) <u>Jun YAMAUCHI</u> Name: Jun YAMAUCHI	<u>May 7, 2010</u>
4) <u>Shintaro SUGIMOTO</u> Name: Shintaro SUGIMOTO	<u>May 7, 2010</u>
5) <u>Yoshimi KUSAMA</u> Name: Yoshimi KUSAMA	<u>May 7, 2010</u>

**PATENT**

**RECORDED: 05/17/2010**

**REEL: 024395 FRAME: 0554**