

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Osamu KUWABARA	07/29/2010
Reinhard RADERMACHER	07/20/2010
Yunho HWANG	07/26/2010
Jiazhen LING	07/26/2010
RECEIVING PARTY DATA	
Name:	SANYO ELECTRIC CO., LTD.
Street Address:	5-5, Keihan-hondori 2-chome, Moriguchi-shi,
City:	Osaka 570-8677
State/Country:	JAPAN
Name:	UNIVERSITY OF MARYLAND
Street Address:	University of Maryland
City:	College Park
State/Country:	MARYLAND
Postal Code:	20742
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12850943
CORRESPONDENCE DATA	
Fax Number:	(202)756-8087
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-756-8000
Email:	kmaramba@mwe.com
Correspondent Name:	MCDERMOTT WILL & EMERY LLP
Address Line 1:	600 13TH STREET, N.W.
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20005-3096

CH \$40.00 12850943

ATTORNEY DOCKET NUMBER:	070505-0036
NAME OF SUBMITTER:	Stephen A. Becker
Total Attachments: 2 source=070505-0036_asgn#page1.tif source=070505-0036_asgn#page2.tif	

RECORDATION FORM COVER SHEET

Docket No.: 070505-0036

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)
Osamu KUWABARA, Reinhard RADERMACHER, Yunho HWANG, Jiazhen LING

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

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): **July 29, 2010, July 20, 2010, July 26, 2010 and July 26, 2010 (respectively)**

- 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: **1) SANYO ELECTRIC CO., LTD.**
2) UNIVERSITY OF MARYLAND
 Internal Address:
 Address: **1) 5-5, Keihan-hondori 2-chome, Moriguchi-shi, Osaka 570-8677 JAPAN**
2) University of Maryland College Park, MD 20742 USA

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

4. Application or patent number(s):

A. Patent Application No(s).
 Additional numbers attached? Yes No

This document is being filed together with a new application.
 B. Patent No(s).

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

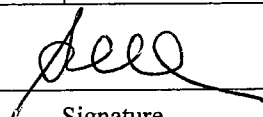
Name: **MCDERMOTT WILL & EMERY LLP**
 Internal Address:
 Street Address: **600 13th Street, N.W.**
 City: **Washington, State: DC Zip: 20005-3096 D.C.**
 Phone Number: **202.756.8000**
 Fax Number: **202.756.8087**
 Email Address:

6. Total number of applications and patents involved: 1

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



August 5, 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>Osamu Kuwabara</u> | (6) _____ |
| (2) <u>Reinhard Radermacher</u> | (7) _____ |
| (3) <u>Yunho Hwang</u> | (8) _____ |
| (4) <u>Jiazhen Ling</u> | (9) _____ |
| (5) _____ | (10) _____ |

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

- 1) SANYO Electric Co., Ltd.
of 5-5, Keihan-hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan
- 2) University of Maryland
of College Park, MD 20742, USA

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

AIR CONDITIONER

(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><i>Osamu Kuwabara</i></u> Name: Osamu Kuwabara	<u>07/29/2010</u>
2) <u><i>Reinhard Radermacher</i></u> Name: Reinhard Radermacher	<u>7/20/2010</u>
3) <u><i>Yunho Hwang</i></u> Name: Yunho Hwang	<u>07/26/2010</u>
4) <u><i>Jiazhen Ling</i></u> Name: Jiazhen Ling	<u>07/26/2010</u>

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