

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>Hisaaki YAMAKAGE</td> <td>02/10/2012</td> </tr> <tr> <td>Yoshihito YAMADA</td> <td>02/10/2012</td> </tr> <tr> <td>Masato HANADA</td> <td>02/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hisaaki YAMAKAGE	02/10/2012	Yoshihito YAMADA	02/10/2012	Masato HANADA	02/10/2012		
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<table border="1"> <tr> <td>Name:</td> <td>TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>13-16, Mita 3-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>108-0073</td> </tr> </table>		Name:	TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION	Street Address:	13-16, Mita 3-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	108-0073
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13497189</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13497189						
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Application Number:	13497189										
CORRESPONDENCE DATA											
<p>Fax Number: (703)413-2220</p> <p>Phone: (703) 413-3000</p> <p>Email: asomaiel@oblon.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	396213US8PCT										
NAME OF SUBMITTER:	Adel Samuel										
<p>Total Attachments: 2</p> <p>source=396213USAssignment#page1.tif</p> <p>source=396213USAssignment#page2.tif</p>											

OP \$40.00 13497189

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS.

WHEREAS, I (WE) Hisaaki YAMAKAGE, Minato-ku, Tokyo, Japan

Yoshihito YAMADA, Minato-ku, Tokyo, Japan

Masato HANADA, Minato-ku, Tokyo, Japan

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: Heat Transfer Device

(Application No. 13/497,189, filed March 20, 2012), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at: 13-16, Mita 3-chome, Minato-ku, Tokyo 108-0073 JAPAN is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

PATENT

REEL: 027908 FRAME: 0875

Date: February 10, 2012

Hisaaki Yamakage
(Signature of Inventor) Hisaaki YAMAKAGE

Date: February 10, 2012

Yoshihito Yamada
(Signature of Inventor) Yoshihito YAMADA

Date: February 10, 2012

Masato Hanada
(Signature of Inventor) Masato HANADA

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314