

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>Kenzo NAKAMURA</td> <td>02/22/2012</td> </tr> <tr> <td>Sei KITAGUCHI</td> <td>02/20/2012</td> </tr> <tr> <td>Mototaka ISHIKAWA</td> <td>02/21/2012</td> </tr> </tbody> </table>	Name	Execution Date	Kenzo NAKAMURA	02/22/2012	Sei KITAGUCHI	02/20/2012	Mototaka ISHIKAWA	02/21/2012	
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Kenzo NAKAMURA	02/22/2012								
Sei KITAGUCHI	02/20/2012								
Mototaka ISHIKAWA	02/21/2012								
RECEIVING PARTY DATA									
Name:	Mitsubishi Materials Corporation								
Street Address:	3-2, Otemachi 1-chome								
Internal Address:	Chiyoda-ku								
City:	Tokyo								
State/Country:	JAPAN								
PROPERTY NUMBERS Total: 1									
Property Type	Number								
Application Number:	13393686								
CORRESPONDENCE DATA									
Fax Number:	(914)288-0023								
Phone:	914-288-0022								
Email:	USPTO@leasonellis.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Melvin C. Garner, Leason Ellis LLP								
Address Line 1:	One Barker Avenue								
Address Line 2:	Fifth Floor								
Address Line 4:	White Plains, NEW YORK 10601								
ATTORNEY DOCKET NUMBER:	04401/002721-US0								
NAME OF SUBMITTER:	Kazue Natal for MCG								
Total Attachments: 3 source=Assignment_2721#page1.tif source=Assignment_2721#page2.tif source=Assignment_2721#page3.tif									

OP \$40.00 13393686

ASSIGNMENT

I, Kenzo Nakamura, a citizen of Japan, having a residence at c/o Mitsubishi Materials Corporation, Central Research Institute, 1002-14, Mukohyama, Naka-shi, Ibaraki 311-0102, Japan;

I, Sei Kitaguchi, a citizen of Japan, having a residence at c/o Mitsubishi Materials Corporation, Central Research Institute Omiya Office, 297, Kitabukuro-cho 1-chome, Omiya-ku, Saitama-shi 330-8508, Japan; and

I, Mototaka Ishikawa, a citizen of Japan, having a residence at c/o Mitsubishi Materials Corporation, Central Research Institute, 1002-14, Mukohyama, Naka-shi, Ibaraki 311-0102, Japan;

(hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

Mitsubishi Materials Corporation

a Corporation having a place of business, 3-2, Otemachi 1-chome, Chiyoda-ku, Tokyo 100-8117, Japan (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to our Invention entitled:

INFRARED SENSOR AND A CIRCUIT BOARD EQUIPPED THEREWITH

invented by us and described in Patent Application indicated by the docket number and title above, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being our entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, we hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and we hereby appoint every present or future officer of said ASSIGNEE as our agent to sign all such papers and to do all such necessary acts on our behalf, to the fullest extent permitted by law;

And we hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

We declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that we have signed this document as my own free act and that all of the foregoing is true and correct.

Dated:

22/2/2012
(Day/Month/Year)

Kenzo Nakamura
Kenzo Nakamura, Inventor

Attorney Docket No.: 04401/002721-US0

Dated: 20 / 2 / 2012
(Day/Month/Year)

Sei Kitaguchi
Sei Kitaguchi, Inventor

Dated: 21 / 2 / 2012
(Day/Month/Year)

Mototaka Ishikawa
Mototaka Ishikawa, Inventor