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12/083289

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103498639

FR SHEET
12/17/08 PTO/PTO 09 APR 2008

4.9.08

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):
Norikazu TATEISHI (03/25/2008) and Takashi OHSAWA (03/25/2008)
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Mitsubishi Electric Corporation
Internal Address: _____
Street Address: 7-3, Marunouchi 2-chome, Chiyoda-ku
Tokyo
100-8310
JAPAN
City: _____
State: _____
Country: _____ Zip: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
NEW
B. Patent No.(s)
12/083289
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Michael K. Mutter
BIRCH, STEWART, KOLASCH & BIRCH,
LLP
Internal Address: Atty. Dkt.: 1163-0662PUS1
Street Address: 8110 Gatehouse Road
Suite 100 East
P.O. Box 747
City: Falls Church
State: VA Zip: 22040-0747
Phone Number: (703) 205-8000
Fax Number: (703) 205-8050
Email Address: mutter@bksk.com

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 02-2448
Authorized User Name Michael K. Mutter

9. Signature: [Signature] April 9, 2008
Signature Date
Michael K. Mutter - 29,680 Total number of pages including cover sheet, attachments, and documents: 3
Name of Person Signing

ATTORNEY DOCKET NO. **12/083283**
14517012 BLSH
APR 17 2008 PCT/PTO 09 APR 2008

ASSIGNMENT

Application No. NEW

Filed 4/9/08

**Insert Name(s)
of Inventor(s)**

➔ WHEREAS, we, Norikazu TATEISHI and Takashi OHSAWA of
c/o Mitsubishi Electric Corporation, Tokyo, Japan

**Insert Title
of Invention**

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____
➔ "LIGHT-EMITTING DIODE LIGHTING APPARATUS AND
VEHICLE LIGHT LIGHTING APPARATUS USING THE SAME"

for which an application for Letters Patent of the United States of America has been executed by the undersigned

**Insert Date
of Signing of
Application**

➔ on March 25, 2008; and

**Insert Name
of Assignee**

➔ WHEREAS, Mitsubishi Electric Corporation

**Insert Address
of Assignee**

➔ of 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan

**CHECK BOX
IF APPROPRIATE**

➔ its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>March 25, 2008</u>	Name of Inventor <u>Norikazu TATEISHI</u>	<u>NORIKAZU TATEISHI</u> (signature)
Date <u>March 25, 2008</u>	Name of Inventor <u>Takashi OHSAWA</u>	<u>Takashi Ohsawa</u> (signature)
Date _____	Name of Inventor _____	_____ (signature)
Date _____	Name of Inventor _____	_____ (signature)
Date _____	Name of Inventor _____	_____ (signature)
Date _____	Name of Inventor _____	_____ (signature)

From the INTERNATIONAL BUREAU

PCT

FIRST NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION (TO DESIGNATED OFFICES WHICH DO NOT APPLY THE 30 MONTH TIME LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

TAZAWA, Hiroaki
7F, Daito Bldg.
7-1, Kasumigaseki 3-chome
Chiyoda-ku, Tokyo
1000013
JAPON

Date of mailing (<i>day/month/year</i>) 12 July 2007 (12.07.2007)		IMPORTANT NOTICE	
Applicant's or agent's file reference 558614A			
International application No. PCT/JP2006/316020	International filing date (<i>day/month/year</i>) 14 August 2006 (14.08.2006)	Priority date (<i>day/month/year</i>) 12 December 2005 (12.12.2005)	
Applicant Mitsubishi Electric Corporation et al			

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
21 June 2007 (21.06.2007)

None

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

CH, LU, SE, TZ, UG

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. **TIME LIMITS for entry into the national phase**
For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of **19 months** from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **20 MONTHS** from the priority date.
In practice, **time limits other than the 20-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For **regular updates on the applicable time limits** (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.
It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yoshiko Kuwahara e-mail: pt07.pct@wipo.int
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