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U.S. Department of Commerce Patent and Trademark Office

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103585218

To the Commissioner for Patents. Please return to:

Address of the inventor or applicant, or of the assignee, or of the attorney, agent, or other representative of the applicant, or of the assignee, or of the attorney, agent, or other representative of the assignee.

1. Name of Conveying Party(ies):

Naohiro TODA  
Hiroki NOGUCHI  
Kenichiro TANAKA

2. Name and Address of Receiving Party(ies):

Name: Panasonic Electric Works Co., Ltd.

Street Address: 1048, Oaza-Kadoma, Kadoma-shi

City, State, Zip: Osaka, Japan

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: December 9, 2009

☐ Additional name(s) and address(es) attached.

4. (A) Patent Application Number(s):

4. (B) Patent Number(s):

If this document is being filed together with a new application, the execution date of the application is: December 9, 2009

☐ Additional Numbers Attached.

Title: LIGHT SOURCE APPARATUS

Attorney Docket No.: TODA3001/EM

5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:

Name: Eugene Mar

Bacon & Thomas, PLLC  
625 Slaters Lane Fourth Floor  
Alexandria, VA 22314

23364  
CUSTOMER NUMBER

Total Number of Applications and Patents Involved:

1

7. Total Fee:  
(37 CFR 3.41)

\$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit Account Number: 02-0200

9. Statement and Signature:

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Eugene Mar

December 22, 2009

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

EM/bh

12/23/2009 AWONDAF1 00000002 12654459

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PATENT  
REEL: 023730 FRAME: 0280

## ASSIGNMENT

WHEREAS, I (we), Naohiro TODA, Hiroki NOGUCHI and Kenichiro TANAKA

whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in **LIGHT SOURCE APPARATUS**

(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☒ executed on even date herewith

☐ executed on:

☐ filed on:

Serial No.:

☐ established by PCT International Patent Application No.:

filed:

designating the United States of America

WHEREAS, Panasonic Electric Works Co., Ltd.

whose post office address is 1048, Oaza-Kadoma, Kadoma-shi, Osaka, Japan hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

JOINT ASSIGNMENT - WITNESS

## ASSIGNMENT

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Assignor Name	Naohiro TODA	Address	Osaka, Japan
Where Signed	Osaka, Japan		
Date	December 9, 2009	Signature	Naohiro Toda
Witness (optional)		Witness (optional)	
Print/Type Name		Print/Type Name	
Signature		Signature	

Assignor Name	Hiroki NOGUCHI	Address	Sanda, Japan
Where Signed	Sanda, Japan		
Date	2009.12.9	Signature	Hiroki Noguchi
Witness (optional)		Witness (optional)	
Print/Type Name		Print/Type Name	
Signature		Signature	

Assignor Name	Kenichiro TANAKA	Address	Neyagawa, Japan
Where Signed	Neyagawa, Japan		
Date	December 9, 2009	Signature	Kenichiro Tanaka
Witness (optional)		Witness (optional)	
Print/Type Name		Print/Type Name	
Signature		Signature	

PATENT