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Attorney Docket No.: 8861-211 (P15577-01)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2 Name and address of receiving party(ies): Matsushita Electronics Corporation Takashi Yamamoto Hiroshi Nohara 1-1 Saiwai-cho Takatsuki-shi, Osaka Shiki Nakayama Kouichi Sugimoto 569-11 JAPAN Kazuo Takeda APR 20 1998 Shigefumi Oda Yoshiharu Nishiura 3. Nature of conveyance: [X] Assignment Merger 1 Change of Name Security Agreement Other: Execution Date: January 6, 1998 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s): 09/004,743 B. Patent No.(s): Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: [1] document should be mailed: LESLIE L. KASTEN, JR. 7. Total fee (37 CFR 3.41) Cal. $\mathbf{1} \times 40.00 = 40.00$ PANITCH SCHWARZE JACOBS & NADEL, P.C. One Commerce Square - 2005 Market Street - 22nd Fl. [] Enclosed Philadelphia, PA 19103-7086 [x] Authorized to be charged to deposit account Telephone: (215) 965-1290 Facsimile: (215) 567-2991 E-Mail: psjn@psjn.com 8. Deposit account number: 16-0235 DO NOT USE THIS SPACE Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original LESLIE L. KASTEN, JR. Name of Person Signing Total number of pages including cover sheet, attachments and document: [3] OMB No. 0651-0011 (exp. 4/94)

Patent Joint Attorney Docket No. 8861-211 (P15577-01)

ASSIGNMENT

Takashi YAMAMOTO, Hiroshi NOHARA, WHEREAS, we, Shiki NAKAYAMA, Kouichi SUGIMOTO, Kazuo TAKEDA, Shigefumi ODA and Yoshiharu NISHIURA respectively citizens of with respective post office addresses of 12-23, Takamidai, Takatsuki City, 569-11 Japan; 10-7-201, Furukawa-cho, Kadoma City, 571 Japan; 1-1-25-107, Kitakasugaoka, Ibaraki City, 567 Japan; 8-3-701, Tamagawa-shinmachi, Takatsuki City, 569 Japan; 2-22-7, Horiage-midorimachi, Sakai City, 593 Japan; 5-21-10, Iwata-cho, Higashiosaka City, 578 Japan and 5-12-10-1301, Nango, Otsu City, 520 Japan , respectively, hereinafter generally referred to as "ASSIGNORS", have invented a certain new and useful Metal halide lamp for which we have executed an application for Letters Patent of the United States, Serial No. 09/004,743 filed January 8, 1998, and ASSIGNORS authorize ASSIGNEE or ASSIGNEE's representative to insert the Serial Number and Filing Date of this application if they are unknown at the time of execution of

this Assignment.

WHEREAS, Matsushita Electronics Corporation Japanese corporation having a place of business at 1-1, Saiwai-cho, Takatsuki-shi, Osaka 569-11 Japan

hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said application for Letters Patent.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application for Letters Patent, for the territory of the United States and its possessions and territories and all foreign countries; and

in and to the above application for Letters Patent and any and all United States Letters Patent which may be granted on said application and all United States and foreign Letters Patent which may be granted on said invention including divisions, reissues and continuations;

> PATENT REEL: 9147 FRAME: 0962

said invention, application and Letters Patent to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and behoof, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Letters Patent hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

January 6, 1998	Name: Takashi YAMAMOTO
January 6, 1998	diroshi Nohares
Date	
January 6, 1998 Date	Name: Shiki NAKAYAMA
January 6, 1998 Date	Kourchi Sugimoto Name: Kouichi SUGIMOTO
January 6, 1998 Date	Name: Kazuo Takeda
January 6, 1998 Date	Shigefumi Oda Name: Shigefumi ODA
January 6, 1998 Date	Name: Yoshiharu Nishiura