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HEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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Yes

No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: October 20, 1999 4. 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: B. Patent No.(s) A. Patent Application No.(s) 09/421,022 Additional numbers attached?

Yes

No Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Curtis B. Hamre ☑ Enclosed
 ☑ Authorized to be charged to deposit account Name: Address: Merchant & Gould P.C. 3100 Norwest Center 8. Please charge any additional fees or credit any 90 South Seventh Street overpayments to our Deposit account number: 13-2725 Minneapolis, MN 55402-4131 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 document. Douglas P. Mueller January 18, 2000 Name of Person Signing Signature Date Total number of pages including attachments and document Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231 **CERTIFICATE UNDER 37 CFR 1.8.** I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner of Fatents and Trademarks, Box Assignments, Washington. D.C. 20231 on January 18, 2000. Douglas P. Mueller

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PATENT REEL: 010551 FRAME: 0163

ASSIGNMENT

In consideration of the receipt of good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned, (4) (5) who have made a certain new and useful invention, hereby sell, assign and transfer unto ROHM CO., LTD., 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, JAPAN its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled LIGHT EMITTING DEVICES (a) for which an application for United States Letters Patent was filed on _____ and identified by United States Serial No. _____; or and the undersigned hereby authorize and request the United States Commissioner of Patent and Trademarks to issue any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for, obtaining, and enforcing original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred. SIGNED on the dates indicated aside our signatures: INVENTOR(S) DATE SIGNED Haruc Tanaka Name: Haruo TANAKA Lironaliu Sai October 20, 1999 October 20, 1999 (1) (2)(3)Name: (4)Name: (5)Name:

(6)

Name:

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