FORM PTO-1595 (Modified) 03-29-2000 U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Patent and Trademark Office Copyright 1996-97 LegalStar P08A/REV02 -316.00 -Tab settings → → → 101300675 To the Honorable Commissioner of Paterice attached original documents or copyett 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): KAWANISHI, Hidekazu Name: Oki Electric Industry Co., Ltd. Address: 7-12, Toranomon 1-chome, Minato-ku, ☐ Yes 🛛 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name City: Tokyo _____ State/Prov.: Country: Japan ZIP: ☐ Other Execution Date: March 7, 2000 Additional name(s) & address(es) ☐ Yes X No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: March 7, 2000 Patent Application No. Filing date B. Patent No.(s) **NEW MARCH 16, 2000** 091527393 ☐ Yes 🛛 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: ADAM C. VOLENTINE 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 33289 ☑ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: JONES VOLENTINE, LLP ☐ Authorized to be charged to deposit account 12200 SUNRISE VALLEY DRIVE, SUITE 150 8. Deposit account number: City: RESTON State/Prov : VA 50-0238 Country: U.S.A. ZIP: 20191 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correctand any attached copy is a true copy of the original document. ADAM C. VOLENTINE MARCH 16, 2000 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments.

REEL: 010635 FRAME: 0634

Docket No.: MA.018

JONES & VOLENTINE, L.L.P. (1/97)

ASSIGNMENT

Insert Name(s) of Inventor(s)	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned
	Hidekazu KAWANISHI
	and
Insert Name(s) of Assignee(s)	the undersigned hereby sell(s) and assign(s) to
	Oki Electric Industry Co., Ltd.
Address	of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan
Title of Invention	(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as
	ELECTRO-ABSORPTION MODULATOR AND METHOD OF MANUFACTURING A
	SEMICONDUCTOR OPTICAL DEVICE
Date of Signing of Application	for which an application for patent in the United States of America has been executed by the undersigned
	on March 7, 2000
	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 and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
	The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for 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 patent to the Assignee.
	The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

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The undersigned hereby grant(s) to Raymond C. Jones, Reg. No. 34,631 and Adam C. Volentine, Reg. No. 33,289, members of the firm of JONES & VOLENTINE, L.L.P. 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 United States Patent Office for recordation of this In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Date March 7, 2000, Name of Inventor Hidekazu KAWANISHI Date , Name of Inventor Date ______, Name of Inventor ______ Date ______, Name of Inventor _____ Date ______, Name of Inventor _____ (Note regarding Witnessing and/or Acknowledgment: Acknowledgment before a United States Consul is preferred but not required. If not acknowledged, then it is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even if it has not been acknowledged and/or witnessed.) Teruki SASAKI Yoshito SAITO ACKNOWLEDGMENT This _______ day of __________, 19_____, before me personally came the above-named to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth. Official Signature **SEAL** Official Title Applicant Reference No.: F99ED0080US Atty Docket No.: Serial No.: Filing Date: Page 2 of 2

RECORDED: 03/16/2000 REEL: 010635 FRAME: 0636