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<ol> <li>Hideki HANEDA</li> <li>Seiichiro TABATA</li> <li>Atsushi KAWAMURA</li> <li>5.</li> <li>6.</li> </ol>	Dorting Attacks	a.	April 1, 2005 April 8, 2005 April 1, 2005	112991 U.S. PT 11/119909
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PATENT REEL: 016527 FRAME: 0114

## **ASSIGNMENT**

In consideration of the premises and other g and sufficiency of which is hereby acknowledged, the u	good and valuable consideration in hand paid, the receipt
(1) Hideki HANEDA (3) Atsushi KAWAMURA	(2) Seiichiro TABATA
who have made a certain new and useful invention, he	reby sell, assign and transfer unto
Mitsubishi Denki Kabushiki Kaisha 2-3, Marunouchi 2-chome Chiyoda-ku, Tokyo 100-8310 JAPAN	
its successors and assigns (hereinafter designated "AUnited States of America as defined in 35 U.S.C. 100 i	ASSIGNEE") the entire right, title and interest for the n the invention entitled
OPTICAL SEMICONDUCTOR DEVICE MODULE A	AND BIDIRECTIONAL MODULE
for which an application for United States Letters Pate	ent was executed on even date herewith,
Trademarks to issue any and all United States Letter extensions, divisions, reissues, substitutes, renewals, right to all benefits under the international Convent ASSIGNEE, for its interest as ASSIGNEE, its succes agree that the attorneys of record in said application s	
in making application for and obtaining original, divis States, upon request of the said ASSIGNEE, its suc further remuneration, in and to any improvements, a or related to the said invention; and to execute any pa	fer a like interest, and to render all necessary assistance sional, reissued or extended Letters Patent of the United cessors, assigns and legal representatives, and without nd applications for patent based thereon, growing out of apers by the said ASSIGNEE, its successors, assigns and I's full protection and title in and to the invention hereby
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
Name: Hideki HANEDA	april 1, 2005
2) Seischino Tabata Name: Seischino TABATA	April 1, 2005  April 1, 2005  April 1, 2005
3) <u>Utrushi Kawamura</u> Name: Atsushi KAWAMURA	April 1, 2005

RECORDED: 05/03/2005

PATENT REEL: 016527 FRAME: 0115