

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Yasunobu MATSUOKA</td><td>07/05/2010</td></tr> <tr><td>Toshiki SUGAWARA</td><td>07/05/2010</td></tr> <tr><td>Koichiro ADACHI</td><td>07/05/2010</td></tr> <tr><td>Naoki MATSUSHIMA</td><td>07/13/2010</td></tr> <tr><td>Saori HAMAMURA</td><td>07/08/2010</td></tr> <tr><td>Madoka MINAGAWA</td><td>07/09/2010</td></tr> <tr><td>Norio CHUJO</td><td>07/09/2010</td></tr> </tbody> </table>		Name	Execution Date	Yasunobu MATSUOKA	07/05/2010	Toshiki SUGAWARA	07/05/2010	Koichiro ADACHI	07/05/2010	Naoki MATSUSHIMA	07/13/2010	Saori HAMAMURA	07/08/2010	Madoka MINAGAWA	07/09/2010	Norio CHUJO	07/09/2010
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CORRESPONDENCE DATA																	
Fax Number: (202)628-8844 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-624-2500 Email: Galemousavi@crowell.com Correspondent Name: Crowell & Moring LLP Address Line 1: P.O. Box 14300 Address Line 4: Washington, DISTRICT OF COLUMBIA 20044-4300																	
ATTORNEY DOCKET NUMBER:	056204.62710US																
NAME OF SUBMITTER:	Gary R. Edwards																

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PATENT
REEL: 024836 FRAME: 0360

Total Attachments: 1
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ASSIGNMENT

(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd.,
a corporation organized under the laws of Japan,
located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan,
receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd.,
its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

OPTICL I/O ARRAY MODULE AND ITS FABRICATION METHOD

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,
to be held and enjoyed by said Hitachi, Ltd.,
its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Yasunobu Matsuoka</u>	<u>7/5/2010</u>
2) <u>Goshihi Sugawara</u>	<u>7/5/2010</u>
3) <u>Koichiro Adachi</u>	<u>7/5/2010</u>
4) <u>Naoki Matsushima</u>	<u>7/13/2010</u>
5) <u>Saori Hamamura</u>	<u>7/8/2010</u>
6) <u>Madoka Minagawa</u>	<u>7/9/2010</u>
7) <u>Norio Chujo</u>	<u>7/9/2010</u>
8) _____	_____
9) _____	_____
10) _____	_____

PATENT

RECORDED: 08/13/2010

REEL: 024836 FRAME: 0362