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PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kouji Arikawa	11/25/1999
Susumu Tachibana	11/25/1999
Kazuo Shigematsu	11/25/1999
Hideo Taguchi	12/04/1999
Shigeru Nakamura	11/25/1999
Tetsuya Tomobe	11/29/1999

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number

PATENT || REEL: 026941 FRAME: 0425

Patent Number: 6778486

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NAME OF SUBMITTER: Charles W. Gray

Total Attachments: 1

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PATENT REEL: 026941 FRAME: 0426

ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Kouji ARIKAWA, Susumu TACHIBANA, Kazuo SHIGEMATSU, Hideo TAGUCHI, Shigeru NAKAMURA, and Tetsuya TOMOBE citizens of Japan by HITACHI, LTD., Hitachi Tohbu Semiconductor, Ltd. and Hitachi Haramachi Electronics Ltd. corporations organized under the laws of Japan,

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, 1-1, Nishiyokote-cho, Takasaki-shi, GUNMA, Japan, and 10-2, Bentenmachi 3-chome, Hitachi-shi, Ibaraki Japan, respectively,

receipt of which is hereby acknowledged, we, the said Kouji ARIKAWA, Susumu TACHIBANA,

Kazuo SHIGEMATSU, Hideo TAGUCHI, Shigeru NAKAMURA, and Tetsuya TOMOBE,

do hereby sell and assign to said HITACHI, LTD., Hitachi Tohbu Semiconductor, Ltd. and Hitachi Haramachi Electronics Ltd.

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to LASER MODULE, OPTICAL HEAD AND OPTICAL INFORMATION RECORDING AND REPRODUCING APPARATUS USING IT

invented by us 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., and Hitachi Tohbu Semiconductor, Ltd. and Hitachi Haramachi Electronics Ltd.

their 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 us if this assignment and sale had not been made:

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said 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 we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi Tohbu Semiconductor, Ltd. and Hitachi Haramachi Electronics Ltd.

Signed on the date(s) indicated aside signatures:

RECORDED: 09/21/2011

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) _	Kouji Arikawa	11/25/99
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8) _		
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REEL: 026941 FRAME: 0427