

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daisuke MORIMOTO	12/09/2009
Takaharu EGUCHI	12/09/2009
Tatsunori FUJIWARA	12/09/2009
Yoshifumi AWAKURA	12/09/2009

RECEIVING PARTY DATA

Name:	Mitsubishi Electric Corporation
Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku
City:	Tokyo
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12666568

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Michael K. Mutter

Total Attachments: 2
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**PATENT
 REEL: 023722 FRAME: 0505**

ATTORNEY DOCKET NO.

1163-0772PUS1

ASSIGNMENT

Application No. 12/666,568

Filed December 23, 2009

Insert Name(s)
of Inventor(s)

➡ WHEREAS, we, Daisuke MORIMOTO and Takaharu EGUCHI of c/o
Mitsubishi Electric Corporation, Tokyo, Japan, and
Tatsunori FUJIWARA of c/o Mitsubishi Electric Engineering Company,
Limited, Tokyo, Japan, and Yoshifumi AWAKURA of c/o Mitsubishi Electric
Corporation, Tokyo, Japan

Insert Title
of Invention

➡ (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____
"OPTICAL DISC DEVICE"

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date
of Signing of
Application

➡ on December 9, 2009; and

Insert Name
of Assignee

➡ WHEREAS, Mitsubishi Electric Corporation

Insert Address
of Assignee

➡ of 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan

CHECK BOX
IF APPROPRIATE

➡ its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

PATENT

REEL: 023722 FRAME: 0507

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 or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>December 9, 2009</u>	Name of Inventor	<u>Daisuke MORIMOTO</u>	<u>Daisuke Morimoto</u> (signature)
Date	<u>December 9, 2009</u>	Name of Inventor	<u>Takaharu EGUCHI</u>	<u>Takaharu Eguchi</u> (signature)
Date	<u>December 9, 2009</u>	Name of Inventor	<u>Tatsunori FUJIWARA</u>	<u>Tatsunori Fujiwara</u> (signature)
Date	<u>December 9, 2009</u>	Name of Inventor	<u>Yoshifumi AWAKURA</u>	<u>Yoshifumi Awakura</u> (signature)
Date	_____	Name of Inventor	_____	_____ (signature)
Date	_____	Name of Inventor	_____	_____ (signature)