

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Masahiro MIURA	12/15/2008
Eisaku KAWANO	12/15/2008
Tsuyoshi HASEBE	12/15/2008
Masahiro KATO	12/15/2008
Eiji MURAMATSU	12/15/2008
Shoji TANIGUCHI	12/15/2008

RECEIVING PARTY DATA

Name:	PIONEER CORPORATION
Street Address:	4-1, Meguro-1-chome, Meguro-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	153-8654

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12302848

CORRESPONDENCE DATA

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8048-1344

PATENT

REEL: 022042 FRAME: 0679

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OP \$40.00 12302848

NAME OF SUBMITTER:

Eric Jensen

Total Attachments: 1

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ASSIGNMENT

WHEREAS, Masahiro MIURA, Eisaku KAWANO, Tsuyoshi HASEBE, Masahiro KATO,
Eiji MURAMATSU and Shoji TANIGUCHI of Saitama, Japan

have invented certain new and useful improvements in INFORMATION RECORDING MEDIUM, INFORMATION
RECORDING APPARATUS AND METHOD, INFORMATION REPRODUCING APPARATUS AND METHOD,
INFORMATION RECORDING /REPRODUCING APPARATUS AND METHOD, AND COMPUTER PROGRAM
for which application for Letters
(I/we have made--or am/are about to make)

Patent of the United States of America;

AND WHEREAS, PIONEER CORPORATION of 4-1, Meguro 1-chome,
Meguro-ku, Tokyo 153-8654 Japan

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the
United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of
Dollars (\$)

to in hand paid, the receipt of which is hereby acknowledged
have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said

* right, title, and interest in and to the said invention,
as fully set forth and described in the:

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Inapplicable
wording

(a) specification prepared and executed by on the 15th day of December, 2008

(b) application filed on the day of 19, Serial No.

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be
held and enjoyed by the said
for own use and behoof, and for legal representatives, to the full end of the term
for which said Letters Patent are granted, as fully and entirely as the same would have been held by
had this assignment and sale not been made.

IN TESTIMONY WHEREOF, hereunto set hand and affix seal at
this 15th day of December, A.D. 2008

Masahiro Miura

(Inventor's full Signature) Masahiro MIURA

Tsuyoshi Hasebe

Tsuyoshi HASEBE

Eiji Muramatsu

Eiji MURAMATSU

Eisaku Kawano

(Inventor's full Signature) Eisaku KAWANO

Masahiro Kato

Masahiro KATO

Shoji Taniguchi

Shoji TANIGUCHI

* State whether the full and exclusive right, or what part of the whole interest is assigned.