

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Norio ITOH	09/05/2007
Masahiro SHIOI	09/06/2007
Shinya HASEGAWA	09/06/2007
Akemi OOHARA	09/06/2007
Satoru INOUE	09/06/2007
Yoshiaki OGISAWA	09/06/2007
Shuichiro WATANABE	09/05/2007
RECEIVING PARTY DATA	
Name:	SHARP KABUSHIKI KAISHA
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City:	Osaka-shi
State/Country:	JAPAN
Postal Code:	545-8522
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11912387
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ATTORNEY DOCKET NUMBER:	1248-0956PUS1

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REEL: 020628 FRAME: 0589

NAME OF SUBMITTER:

Charles Gorenstein

Total Attachments: 3

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 11/912,387Filed October 23, 2007Insert Name(s)
of Inventor(s)

*** (Given Name FAMILY NAME (ALL CAPS)) ***

WHEREAS, Norio ITOH ; Masahiro SHIOI
Shinya HASEGAWA ; Akemi OOHARA ; Satoru INOUE
Yoshiaki OGISAWA ; Shuichi WATANABE

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
RECORDING APPARATUS, REPRODUCING APPARATUS, RECORDING/REPRODUCING APPARATUS, RECORDING PROGRAM
AND STORAGE MEDIUM THEREOF, AND REPRODUCTION PROGRAM AND STORAGE MEDIUM THEREOF

for which an application for Letters Patent of the United States of America has been executed by the
undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Application

on September 5, 2007 and September 6, 2007 (Respectively) ; and

Insert Name
of Assignee

WHEREAS, SHARP KABUSHIKI KAISHA

Insert Address
of Assignee

22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan

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

CHECK BOX
IF APPROPRIATE

☐ in any 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;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full
term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion 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, conversion 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 conversion 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, Kolach & 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 09/05/2007 Name of Inventor Norio Itoh
(signature) NORIO ITOH

Date 09/06/2007 Name of Inventor Masahiro Shiot
(signature) MASAHIRO SHIOT

Date 09/06/2007 Name of Inventor Shinya Hasegawa
(signature) SHINYA HASEGAWA

Date 09/06/2007 Name of Inventor Akemi Oohara
(signature) AKEMI OOHARA

Date 09/06/2007 Name of Inventor Satoru Inoue
(signature) SATORU INOUE

Date 09/06/2007 Name of Inventor Yoshiaki Ogisawa
(signature) YOSHIAKI OGISAWA

Date 09/05/2007

Name of Inventor Shuichi Watanabe
(signature) Shuichi WATANABE

Date _____

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(signature)

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