

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yoshiro OSAKI</td> <td>11/04/2008</td> </tr> <tr> <td>Tomoaki SUGIYAMA</td> <td>11/04/2008</td> </tr> <tr> <td>Toshiki MORI</td> <td>11/04/2008</td> </tr> <tr> <td>Naoko SATOH</td> <td>11/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiro OSAKI	11/04/2008	Tomoaki SUGIYAMA	11/04/2008	Toshiki MORI	11/04/2008	Naoko SATOH	11/04/2008
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RECEIVING PARTY DATA											
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Street Address:	1-1, Shibaura 1-chome, Minato-ku										
City:	Tokyo										
State/Country:	JAPAN										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12207050</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12207050						
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Application Number:	12207050										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
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NAME OF SUBMITTER:	Mesfin Kassaye										
Total Attachments: 2 source=331718USAssignment#page1.tif source=331718USAssignment#page2.tif											

OP \$40.00 12207050

PATENT

331718US2TTC

Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) Yoshiro OSAKI of Kanagawa-ken, Japan;
Tomoaki SUGIYAMA of Kanagawa-ken, Japan
Toshiki MORI of Tokyo, Japan
Naoko SATOH of Tokyo, Japan

_____, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: RECORDER APPARATUS

(Application No. 12/207,050, filed September 9, 2008), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

WHEREAS, Kabushiki Kaisha Toshiba

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 2008. Nov. 4

Yoshiro OSAKI
(Signature of Inventor) Yoshiro OSAKI

Date: 2008. Nov. 4

Tomoaki Sugiyama
(Signature of Inventor) Tomoaki SUGIYAMA

Date: 2008. Nov 4
~~2008. Nov. 4~~

Toshiki Mori
~~*Tomoaki Sugiyama*~~
(Signature of Inventor) Toshiki MORI

Date: 2008. Nov. 4

Naoko Satoh
(Signature of Inventor) Naoko SATOH

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

12/04

nmc