

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masakazu IKEDA</td> <td>07/06/2012</td> </tr> <tr> <td>Koichiro NISHIMURA</td> <td>07/06/2012</td> </tr> <tr> <td>Yutaka NAGAI</td> <td>07/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masakazu IKEDA	07/06/2012	Koichiro NISHIMURA	07/06/2012	Yutaka NAGAI	07/06/2012
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<table border="1"> <tr> <td>Name:</td> <td>Hitachi Consumer Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>2-1, Otemachi 2-chome, Chiyoda-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi Consumer Electronics Co., Ltd.	Street Address:	2-1, Otemachi 2-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13577320</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13577320				
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CORRESPONDENCE DATA									
<p>Fax Number: 7033126666 Phone: 703-312-6600 Email: svannarath@antonelli.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Address Line 1: 1300 NORTH SEVENTEENTH STREET Address Line 2: SUITE 1800 Address Line 4: ARLINGTON, VIRGINIA 22209-3873</p>									
ATTORNEY DOCKET NUMBER:	520.52596X00								
NAME OF SUBMITTER:	Gregory E. Montone								
Total Attachments: 1 source=52596X00ASN#page1.tif									

OP \$40.00 13577320

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me by Hitachi Consumer Electronics Co., Ltd.
a corporation organized under the laws of Japan,
located at 2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan
receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Consumer Electronics Co., Ltd.
its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

RECORDING MEDIUM, REPRODUCTION AND RECORDING METHOD, REPRODUCTION AND RECORDING DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) 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 Consumer Electronics Co., Ltd.
its 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 me or us if this assignment and sale had not been made;

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

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) Masakazu Ikeda Masakazu IKEDA

July 6, 2012

2) Koichiro Nishimura Koichiro NISHIMURA

July 6, 2012

3) Yutaka Nagai Yutaka NAGAI

July 6, 2012

4) _____

5) _____

6) _____

7) _____

8) _____

9) _____

10) _____

PATENT

RECORDED: 08/06/2012

REEL: 028729 FRAME: 0959