

## PATENT ASSIGNMENT

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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>Mayumi NAKADE</td> <td>11/15/2011</td> </tr> <tr> <td>Mayuko TANAKA</td> <td>11/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Mayumi NAKADE	11/15/2011	Mayuko TANAKA	11/15/2011
Name	Execution Date						
Mayumi NAKADE	11/15/2011						
Mayuko TANAKA	11/15/2011						
RECEIVING PARTY DATA							
Name:	Hitachi Consumer Electronics Co., Ltd.						
Street Address:	2-1, Otemachi 2-chome						
Internal Address:	Chiyoda-ku						
City:	Tokyo						
State/Country:	JAPAN						
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>13299398</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13299398		
Property Type	Number						
Application Number:	13299398						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Paul J. Skwierawski						
Total Attachments: 1 source=Assignment#page1.tif							

OP \$40.00 13299398

ASSIGNMENT  
(讓渡証)

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 citizen of Japan 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

OPERATION CONTROLLING APPARATUS

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) Mayumi Nakade ) Mayumi NAKADE

Nov. 15, 2011

2) Mayuko Tanaka ) Mayuko TANAKA

Nov. 15, 2011

3) \_\_\_\_\_ ) \_\_\_\_\_

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4) \_\_\_\_\_ ) \_\_\_\_\_

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5) \_\_\_\_\_ ) \_\_\_\_\_

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6) \_\_\_\_\_ ) \_\_\_\_\_

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7) \_\_\_\_\_ ) \_\_\_\_\_

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8) \_\_\_\_\_ ) \_\_\_\_\_

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9) \_\_\_\_\_ ) \_\_\_\_\_

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10) \_\_\_\_\_ ) \_\_\_\_\_

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PATENT