

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Yasuyuki KOJIMA</td><td>01/05/2009</td></tr> <tr><td>Noboru AKIYAMA</td><td>12/22/2008</td></tr> <tr><td>Takeshi ONAKA</td><td>01/29/2009</td></tr> <tr><td>Tatsumi YAMAGUCHI</td><td>12/25/2008</td></tr> <tr><td>Koichi TANIGUCHI</td><td>01/20/2009</td></tr> <tr><td>Koichi TOKUSHIGE</td><td>01/13/2009</td></tr> <tr><td>Noriyuki BUNKOU</td><td>01/15/2009</td></tr> <tr><td>Keiji SATO</td><td>01/14/2009</td></tr> </tbody> </table>		Name	Execution Date	Yasuyuki KOJIMA	01/05/2009	Noboru AKIYAMA	12/22/2008	Takeshi ONAKA	01/29/2009	Tatsumi YAMAGUCHI	12/25/2008	Koichi TANIGUCHI	01/20/2009	Koichi TOKUSHIGE	01/13/2009	Noriyuki BUNKOU	01/15/2009	Keiji SATO	01/14/2009
Name	Execution Date																		
Yasuyuki KOJIMA	01/05/2009																		
Noboru AKIYAMA	12/22/2008																		
Takeshi ONAKA	01/29/2009																		
Tatsumi YAMAGUCHI	12/25/2008																		
Koichi TANIGUCHI	01/20/2009																		
Koichi TOKUSHIGE	01/13/2009																		
Noriyuki BUNKOU	01/15/2009																		
Keiji SATO	01/14/2009																		
RECEIVING PARTY DATA																			
Name:	Hitachi Appliances, Inc.																		
Street Address:	16-1, Kaigan 1-chome																		
Internal Address:	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>12368681</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12368681														
Property Type	Number																		
Application Number:	12368681																		
CORRESPONDENCE DATA																			
Fax Number:	(202)628-8844																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	202-624-2500																		
Email:	hkim@crowell.com																		
Correspondent Name:	CROWELL & MORING LLP INTELLECTUAL PROPER																		
Address Line 1:	P.O. BOX 14300																		
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20044-4300																		
ATTORNEY DOCKET NUMBER:	101077.53988C1																		

OP \$40.00 12368681

NAME OF SUBMITTER:

Paolo M. Trevisan, Reg. No. 45,904

Total Attachments: 1
source=ASGN#page1.tif

ASSIGNMENT
(讓渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) for the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Appliances, Inc., a corporation organized under the laws of Japan, located at 16-1, Kaigan 1-chome, Minato-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Appliances, Inc., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

INDOOR AND OUTDOOR UNIT COMMUNICATION VIA SIGNAL FROM A POWER LINE

U.S. Serial No. 10/823,780 filed on April 14, 2004

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, 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 Appliances, Inc., 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 Appliances, Inc.

Signed on the date(s) indicated aside signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	<u>Yasuyuki Kojima</u> Yasuyuki KOJIMA	<u>1/5/2009</u>
2)	<u>Noboru Akiyama</u> Noboru AKIYAMA	<u>12/22/2008</u>
3)	<u>Takeshi Onaka</u> Takeshi ONAKA	<u>1/29/2009</u>
4)	<u>Tatsumi Yamauchi</u> Tatsumi YAMAUCHI	<u>12/25/2008</u>
5)	<u>Koichi Taniguchi</u> Koichi TANIGUCHI	<u>1/20/2009</u>
6)	<u>Koichi Tokushige</u> Koichi TOKUSHIGE	<u>1/13/2009</u>
7)	<u>Noriyuki Bunkou</u> Noriyuki BUNKOU	<u>1/15/2009</u>
8)	<u>Keiji Sato</u> Keiji SATO	<u>1/14/2009</u>
9)	_____	_____
10)	_____	_____