

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Kazuhiko Fujikawa	07/31/2005
Susumu Inatsugu	07/31/2005
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Matsushita Electric Industrial Co., Ltd.
<b>Street Address:</b>	1006, Oaza Kadoma, Kadoma-shi,
<b>City:</b>	Osaka
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	571-8501
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11152616
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)912-0774
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	2029123800
<b>Email:</b>	PPC@us.panasonic.com
<b>Correspondent Name:</b>	Kenji Kamata
<b>Address Line 1:</b>	1130 Connecticut Ave., N.W., Suite1100
<b>Address Line 2:</b>	Panasonic Patent Center
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20036
<b>NAME OF SUBMITTER:</b>	Chika Eda
<b>Total Attachments: 2</b>	
source=Assignment 11_152,616(P38179-01 Ratner MAT-8699US)#page1.tif	
source=Assignment 11_152,616(P38179-01 Ratner MAT-8699US)#page2.tif	

CH \$40.00 11152616

No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

Inventor(s)ASSIGNOR(s)/  
INVENTOR(s)

- |                             |                           |
|-----------------------------|---------------------------|
| 1. <u>Kazuhiko FUJIKAWA</u> | 2. <u>Susumu INATSUGU</u> |
| 3. _____                    | 4. _____                  |

has made an invention entitled: ANTENNA

and has executed an application for Letters Patent of the United States concurrently herewith;

ASSIGNEE  
(Full Name  
and address)WHEREAS, the ASSIGNEE  
Matsushita Electric Industrial Co., Ltd.1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or

possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

	(Typed or Printed Name)	(Signature)	(Date)
SIGNATURE	1. <u>Kazuhiko FUJIKAWA</u>	<u>Kazuhiko FUJIKAWA</u>	<u>July 31, 2005</u>
	2. <u>Susumu INATSUGU</u>	<u>Susumu INATSUGU</u>	<u>July 31, 2005</u>
	3. _____	_____	_____
	4. _____	_____	_____

Application for United States Letters Patent

Serial No. 11/152,616 Filed June 14, 2005

Attorney Docket No. MAT-8699US