

**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>													
<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>Hisashi Takisawa</td> <td>02/28/2007</td> </tr> <tr> <td>Junichi Noro</td> <td>02/28/2007</td> </tr> <tr> <td>Kyuichi Sato</td> <td>02/28/2007</td> </tr> <tr> <td>Takao Kato</td> <td>02/28/2007</td> </tr> <tr> <td>Arata Togashi</td> <td>02/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Hisashi Takisawa	02/28/2007	Junichi Noro	02/28/2007	Kyuichi Sato	02/28/2007	Takao Kato	02/28/2007	Arata Togashi	02/28/2007
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Mitsumi Electric Co., Ltd.												
<b>Street Address:</b>	2-11-2, Tsurumaki, Tama-shi												
<b>City:</b>	Tokyo												
<b>State/Country:</b>	JAPAN												
<b>PROPERTY NUMBERS Total: 1</b>													
<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>11617222</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11617222								
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Application Number:	11617222												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(703)787-7557												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	(703)787-9400												
<b>Email:</b>	linda@wcc-ip.com												
<b>Correspondent Name:</b>	Whitham, Curtis, Christofferson & Cook												
<b>Address Line 1:</b>	11491 Sunset Hills Road, Suite 340												
<b>Address Line 4:</b>	Reston, VIRGINIA 20190												
<b>ATTORNEY DOCKET NUMBER:</b>	02410432AA												
<b>NAME OF SUBMITTER:</b>	Michael E. Whitham												
Total Attachments: 3 source=02410432AA_Assignment_03-30-07#page1.tif													

**CH \$40.00 11617222**

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source=02410432AA\_Assignment\_03-30-07#page3.tif

PATENT OR DESIGN: SOLE OR JOINT  
(U.S. and Foreign Rights)

**ASSIGNMENT OF UNFILED APPLICATION  
FOR UNITED STATES PATENT**

*WHEREAS:*

Hisashi TAKISAWA, Junichi NORO, Kyuichi SATO,  
Takao KATO, and Arata TOGASHI,  
all of c/o MITSUMI ELECTRIC CO., LTD., Akita Business  
Division, 95-2, Kamitsutsumishiki, Iizuka, Iitagawa-Machi,  
Minamiakita-Gun, Akita, Japan

NAME AND ADDRESS  
OF ASSIGNOR:

(Hereinafter referred to as ASSIGNOR), have invented and  
own a certain invention entitled:

TITLE OF INVENTION:

ANTENNA DEVICE

(hereinafter referred to as INVENTION) for which application  
for Letters Patent of the United States has been executed on  
even date herewith,

*WHEREAS:*

FULL NAME AND ADDRESS  
OF ASSIGNEE:

MITSUMI ELECTRIC CO., LTD.,  
2-11-2, Tsurumaki, Tama-shi, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring  
the entire interest in, to and under said invention and in, to and  
under Letters Patent or similar legal protection to be obtained  
therefore in the United States and in any and all foreign  
countries.

*NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be  
it known that good and valuable consideration from  
ASSIGNEE to ASSIGNOR, the receipt of which is hereby  
acknowledged, ASSIGNOR hereby sells, assigns and transfers  
to ASSIGNEE the full and exclusive right, title and interest to  
said invention and all Letters Patent of the United States to be  
obtained therefor on said application or any continuation,

**PATENT**  
**REEL: 019090 FRAME: 0095**

division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

ASSIGNOR further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for the aforesaid INVENTION as the ASSIGNEE or its designee(s) may from time to time require and prepare at its own expense.

ASSIGNOR hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue on said INVENTION to said ASSIGNEE, as assignee of the whole right, title and interest thereto.

DATE OF SIGNING:

Warning: This must be the same as the date of signing of the declaration and power of attorney of the patent or design application.

SIGNATURE(S):  
The signature(s) must correspond with the name(s) of the inventor(s) above.  
Type name(s) of inventor(s) under signature line(s).

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 28th day of February, 2007.

*Hisahi Takisawa*

(Signature)

Genji Iwano  
(Signature)

Kyuzo Sato  
(Signature)

Takao Kato  
(Signature)

Keizo Toppo  
(Signature)

WITNESS:

\_\_\_\_\_  
  
\_\_\_\_\_

**Instructions for assignment signing:**

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed. No witnessing or legalization is necessary. However, if this assignment is legalized, then it will be *prime facie* evidence of the execution of the assignment.