

## RECORDATION FORM COVER SHEET

2/28/05  
03-15-2005Docket No. 05133/LH

To the Honorable Commissioner of I

102959066

attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Junichi NORO  
Kenichi KAMADA  
Akira MIYOSHI

## 2. Name and address of receiving party(ies):

Mitsumi Electric Co. Ltd.  
2-11-2, Tsurumaki, Tama-shi,  
Tokyo Japan

## 3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): February 22, 2005, February 22, 2005, February 23, 2005,  
\_\_\_\_\_, respectively.

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is as follows:

February 22, 2005, February 22, 2005, February 23, 2005,  
\_\_\_\_\_, respectively.

A. Patent Application No. (s)

B. Patent No.(s)

## 5. Name and address of party to whom correspondence concerning document should be returned:

FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.  
767 Third Avenue, 25th Floor  
New York, New York 10017-2023  
Fax: (212) 319-51016. Total number of applications and patents involved: one

03/04/2005 DTESSEM1 00000073 11068687

01 FC:8021

40.00 OP

7. Total fee (37 CFR 3.41): \$ 40.00

[ ] Amount included with filing fee attached hereto.

[X] Credit Card form PTO-2038 enclosed.

## 8. To the extent not tendered by check, authorization is given to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.

## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: February 28, 2005By:   
Douglas Holtz, Reg. No. 33,902

Express Mail" Mailing Label No. EV 584 633 215 US

Date of Deposit: February 28, 2005

I hereby certify that this paper and enclosed application and fee are being deposited with the United States Postal Service "Express Mail Post Office Addresses" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Barbara Villani  
9/4/92Total number of pages comprising cover sheet: 3PATENT  
REEL: 016347 FRAME: 0981

**ASSIGNMENT**

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of an invention described in an application for United States patent entitled:

ANTENNA DEVICE HAVING EXCELLENT HORIZONTAL AND  
VERTICAL POLARIZATION CHARACTERISTICS

sell and assign to MITSUMI ELECTRIC CO., LTD.

a corporation of Japan

having a business address at

2-11-2, Tsurumaki, Tama-shi, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

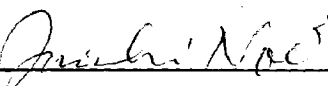
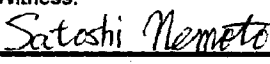
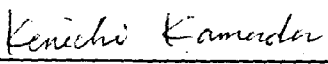

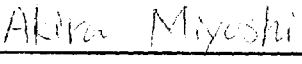
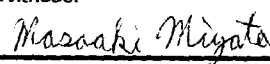
I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial Number and filing date of said application when known.

SERIAL NO.:

FILING DATE:

Frishauf, Holtz, Goodman & Chick, P.C., 767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023.

**INVENTOR: SIGNATURE****DATE****POST OFFICE ADDRESS**

Sign: 	Date: February 22, 2005	Address: c/o Mitsumi Electric Co., Ltd., Akita Business Division, 95-2, Kamitsutsumishiki, Iizuka, Iitagawa- machi, Minamiakita-gun, Akita, Japan
Type: JUNICHI NORO	Witness: 	
Sign: 	Date: February 22, 2005	Address: c/o Mitsumi Electric Co., Ltd., Akita Business Division, 95-2, Kamitsutsumishiki, Iizuka, Iitagawa- machi, Minamiakita-gun, Akita, Japan
Type: KENICHI KAMADA	Witness: 	
Sign: 	Date: February 23, 2005	Address: c/o Mitsumi Electric Co., Ltd., 2-11-2, Tsurumaki, Tama-shi, Tokyo, Japan
Type: AKIRA MIYOSHI	Witness: 	
Sign:	Date:	Address:
Type:	Witness:	

NOTES: MUST BE DATED.

WITNESS DESIRABLE.

LEGALIZATION NOT REQUIRED.

RECORDING OFFICER:

After recording, please return to:

FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.  
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RECORDED: 02/28/2005

PATENT  
REEL: 016347 FRAME: 0982