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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

102247824

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masayoshi AIKAWA Eisuke NISHIYAMA Kozo EGASHIRA Fumio ASAMURA Takeo OITA

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Nihon Dempa Kogyo Co., Ltd.

Internal Address:

Street Address: 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo, Japan

City: State: Zip:

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: September 17, 2002

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: September 17, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Katten Muchin Zavis Rosenman

Internal Address:

Street Address: 575 Madison Avenue 15th Floor IP Department

City: New York State: New York Zip: 10022-2585

6. Total number of applications and patents involved: 1

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

- Enclosed Authorized to be charged to deposit account

8. Deposit account number: 50-1290

(Attach duplicate copy of this page if paying by deposit account)

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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.

Harris A. Wolin

October 2, 2002

Name of Person Signing DBYRNE 00000054 501290 10262918

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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CONTINUATION OF RECORDATION FORM COVER SHEET

1c715 U.S. PTO
10/262918
10/02/02

Continuation of Item 1. - Name of Conveying Parties

Additional Names of Conveying Party(ies):

Continuation of Item 2. - Name and address of receiving parties

Additional Receiving Party(ies):

Name: Masayoshi AIKAWA

Street Address: 26-11, Nara 2-chome, Aoba-ku, Yokohama-shi

City: Kanagawa **State/Country:** Japan **Zip:**

Continuation of Item 4. - Application numbers or patent numbers

Continuation of Item 4 A. - Additional Patent Application No.(s):

Continuation of Item 4 B. - Additional Patent No.(s):

Attorney Docket No: WAKA 20.003

ASSIGNMENT

WAKA 20.003

Docket No. _____

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in: MULTIELEMENT PLANAR ANTENNA

for which

(check one) an application is being filed concurrently herewith,

an application for a Patent of the United States was filed on _____ and given Application Serial No. _____

and WHEREAS, NIHON DEMPA KOGYO CO., LTD. and Masayoshi AIKAWA having a place of business at 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo, Japan and 26-11, Nara 2-chome, Aoba-ku, Yokohama-shi, Kanagawa, Japan, respectively ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Masayoshi AIKAWA
Inventor's Signature *Masayoshi Aikawa* Date September 17, 2002
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Full name of fifth joint inventor, if any Takeo OITA
Fifth Inventor's Signature Takeo Oita Date September 17, 2002
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Full name of sixth joint inventor, if any _____
Sixth Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of seventh joint inventor, if any _____
Seventh Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of eighth joint inventor, if any _____
Eighth Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of ninth joint inventor, if any _____
Ninth Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____