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Additional names(s) of conveying party(ies) attached by Yes X No	<ul> <li>In the attached original documents or copy thereo</li> <li>2. Name and address of receiving party(ies):</li> <li>Name: <u>TDK Corporation</u></li> <li>Address: <u>1-13-1</u>, Nihonbashi, Chuo-ku</li> </ul>
3. Nature of conveyance:	
Assignment   Merger	
Security Agreement Change of Name	City: Tokyo State/Prov.:
□ Other	Country: JAPAN ZIP: 103-8272
Execution Date: June 16, 2003	Additional name(s) & address(es) attached?
Patent Application No.Filing date10/371,201February 24, 2003	B. Patent No.(s)
5. Name and address of party to whom correspondence	attached?  Yes X No 6. Total number of applications and patents involved:
concerning document should be mailed:	
Name: Sean M. McGinn	7. Total fee (37 CFR 3.41): \$ 40.00
Registration No. 34,386 Address: McGinn & Gibb, PLLC	<ul> <li>Enclosed - Any excess or insufficiency should be credited or debited to deposit account</li> </ul>
8321 Old Courthouse Road	Authorized to be charged to deposit account
Suite 200	8. Deposit account number:
City: Vienna State/Prov.: VA	50-0481
Country: USA ZIP: 22182-3817	(Attach duplicate copy of this page if paying by deposit account)
9. Statement and signature. To the best of my knowledge and belief, the foregoing informor of the original document. Sean M. McGinn Name of Person Signing Total number of pages including of Mail documents to be recorded with Mail Stop Assignmen Director of the United State P.O. Box 1450, Ales	TUSE THIS SPACE mation is true and correct and any attached copy is a true copy June 30, 2003 Signature cover sheet, attachments, and document: Ith required cover sheet information to: and Recordation Services se Patent and Trademark Office kandria, VA 22313-1450
FC:8021 40.00 DP	PATENT

REEL: 014237 FRAME: 0106

## ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS

Masahide Sato of c/o TDK Corporation 1-13-1, Nihonbashi, chuo-ku Tokyo, 103-8272, JAPAN

NAME AND ADDRESS OF ASSIGNOR

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and own a certain new and useful invention entitled;

TITLE OF INVENTION:

ANTENNA DEVICE AND ELECTRIC APPLIANCE USING THE SAME

## WHEREAS

FULL NAME AND ADDRESS OF ASSIGNEE TDK Corporation 1-13-1 Nihonbashi, Chuo-ku Tokyo, 103-8272, JAPAN

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire 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, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States Patent obtained therefor on said application or any

(Assignment of Application for Patent -- page 1 of 2)

## PATENT REEL: 014237 FRAME: 0107

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

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.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 16th day of June \_\_\_\_, 2003.

SIGNATURE

By: Musupine Sand

Masahide Sato

SIGNATURE

By:\_\_\_\_\_

By:

SIGNATURE

WITNESSES

Kujoshi Kurihara

(Assignment of Application for Patent -- page 2 of 2)

RECORDED: 06/30/2003