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R SHEET

Docket No. 00159/TL

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Arun Chandra KUNDU  
Ikuo AWAI

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

TDK Corporation  
13-1, Nihonbashi 1-chome, Chuo-ku  
Tokyo, Japan

3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): APRIL 17, 2000, 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:

A. Patent Application No. (s)

09/532,258

B. Patent No.(s)

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

FRISHAUF, HOLTZ, GOODMAN LANGER & CHICK, P.C.  
767 Third Avenue, 25th Floor  
New York, New York 10017-2023

6. Total number of applications and patents involved: 1

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

Amount included with filing fee attached hereto.

Check 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: June 19, 2000

By: Thomas Langer  
Thomas Langer (Reg. No. 27,264)

07/19/2000 NTHA11 00000223 09532258

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on June 19, 2000.

Thomas Langer  
Thomas Langer

op 99161-1  
(105)

**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:

**Dual-mode Filter and Design Method Therefor**

sell and assign to (1) TDK Corporation

a corporation of Japan  
having a business address at 13-1, Nihonbashi 1-chome, Chuo-ku, Tokyo, Japan

and (2) Ikuo AWAI, an individual  
having an address at 1165-8, Yama-kado, Kami-ube, Ube-shi, Yamaguchi-ken, 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.: 09/532,258 FILING DATE: March 22, 2000

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

INVENTOR: SIGNATURE		DATE	RESIDENCE AND POST OFFICE ADDRESS
Sign: <i>Arun Chandra KUNDU</i>	Date: <i>April 17, 2000</i>	Post Office Address: c/o TDK Corporation, 13-1, Nihonbashi 1-chome, Chuo-ku, Tokyo, Japan	
Type: Arun Chandra KUNDU	Witness: <i>Sateshi Kesakai</i>		
Sign: <i>Ikuo Awai</i>	Date: <i>April 17, 2000</i>	Post Office Address: 1165-8, Yama-kado, Kami-ube, Ube-shi Yamaguchi-ken, Japan	
Type: Ikuo AWAI	Witness: <i>Tempeke Suzuki</i>		
Sign:	Date:	Post Office Address:	
Type:	Witness:		

NOTES: MUST BE DATED. WITNESS DESIRABLE. LEGALIZATION NOT REQUIRED.

RECORDING OFFICER:

After recording, please return to:  
FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.  
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