07-13-2005

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings Tab settings Tab settings Tab settings Tab settings Tab settings Tab settings Tab settings Tab settings Tab	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office							
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.								
Name of conveying party(ies):	Name and address of receiving party(ies)							
Arun Chandra Kundu	Name: TDK Corporation							
	Internal Address:							
Additional name(s) of conveying party(ies) attached? Yes No	17/17							
3. Nature of conveyance:	2							
Assignment	Street Address: 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN							
Security Agreement 🖳 Change of Name								
Other								
	City:State:Zip:							
July 1, 2005 Execution Date:	Additional name(s) & address(es) attached? 📮 Yes 🗹 No							
Application number(s) or patent number(s):	Additional Hambers a address (co) altagraph.							
If this document is being filed together with a new application, the execution date of the application is: $\frac{07/01/05}{1}$								
A. Patent Application No.(s)	B. Patent No.(s)							
, ,								
Additional numbers attached? ☐ Yes ☑ No								
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:							
concerning document should be mailed:	AND							
Name: Allen J. Moss	7. Total fee (37 CFR 3.41)\$_\$40.00							
Squire, Sanders & Dempsey LLP	Enclosed Authorized to be charged to deposit account							
	8. Deposit account number:							
Two Renaissance Square Street Address:	10 3878							
40 North Central Avenue, Suite 2700	19-3878							
City: Phoenix State: AZ Zip: 85004-4498	(Attach duplicate copy of this page if paying by deposit account)							
DO NOT USE THIS SPACE								
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. Allen J. Moss, Reg. No. 38,567	// July 1, 2005							
Name of Person Signing	Signature Date							

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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ASSIGNMENT

WHEREAS,	the und	ersigned	inventor(s)	(hereinafter	singly	and	collect	ively,
"ASSIGNOR") of the	e address(e	es) indica	ted below, ha	as/have invent	ed MUL	TILA	YER E	AND
PASS FILTER for w	hich appli	cation fo	r Letters Pate	ent of the Un	ited State	es [x] has	been
executed on even date	herewith] was f	iled as U.S. A	pplication No.	·			
on		·;						

AND WHEREAS, TDK Corporation (hereinafter "ASSIGNEE"), [x] a corporation organized and existing under and by virtue of the laws of Japan [] a partnership [] a sole proprietor/individual, having its principal place of business at 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign, and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the invention as described in the aforesaid application, in the United States and all foreign countries, together with the right of priority under all international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner for Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives.

AND HEREBY AGREES to transfer a like interest upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any applications for patents based thereon, growing out of or relating to the invention; and to provide all reasonable assistance and execute any papers deemed essential by ASSIGNEE, its successors, assigns and legal representatives, to ASSIGNEE's full protection and title in and to the invention hereby transferred,

AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

Effective as of the later date written below:

RECORDED: 07/01/2005

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PATENT REEL: 016728 FRAME: 0090