To the Assistant Commissioner for Patent:

1. Name of conveying party(ies):

Kenji INOUE Tsuguo FUKUDA Katsuo SATO Hiroki MORIKOSHI Katsumi KAWASAKI Kiyoshi UCHIDA

Kenji INOUE

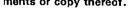
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06-01-2000

SHEET Docket No. 00345/TL

101370697

ments or copy thereof.



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

TDK CORPORATION 1-13-1, Nihonbashi, Chuo-ku Tokyo 103-8272, Japan



3. Nature of conv	veyance: - ASSIGNMENT	
Execution Date(s): MAY 16, 2000		,, respectively.
4. Application nu	mber(s) or patent number(s):	
If this documen	t is being filed together with a new	w application, the execution date of the application is as follows:
MAY 16, 200	o <u>, , , , , , , , , , , , , , , , , , ,</u>	, respectively
A. Paten	t Application No. (s)	B. Patent No.(s)
5. Name and add	iress of party to whom correspond	dence concerning document should be mailed:
-	FRISHAUF, HOLTZ, GOODMAN 767 Third Avenue, 25th Floor New York, New York 10017-2	
6. Total number of	applications and patents involved:	7. Total fee (37 CFR 3.41): \$ 40.00
		Amount included with filing fee attached hereto.
		Check enclosed.
8. To the extent no	ot tendered by check, authorization is g	given to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.
9. Statement and s		
i/25/2000 SCARICA 000	t of my knowledge and belief, the fore	egoing information is true and correct and any attached copy is a true copy of t
FC:581	40.00 DP	
Dated: May 19, 2	2000	By: Leonard Holtz (Reg. No. 27,974) For Thomas Langer (Reg. No. 27,264)
Express Mail" Mai	ling Label No. <u>EL 396 046 027 US</u>	
Date of Deposit:	MAY 19, 2000	
"Express Mail Pos	that this paper and enclosed applit Office Addresses" service under Patents, Washington, D.C. 20231.	ication and fee are being deposited with the United States Postal Se 37 CFR 1.10 on the date indicated above and is addressed to the Ass
Yolanda	Usher	_
YoVanda Usher	T	stal number of pages including cover sheet, attachments and document:

PATENT REEL: 010815 FRAME: 0785

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:

SURFACE ACOUSTIC WAVE DEVICE AND SUBSTRATE THEREOF

sell and assign to TDK Corporation

a corporation of Japan

having a business address at 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, 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, Langer & Chick, P.C., 767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023.

INVENTOR: SIGNATURE DATE RESIDENCE AND POST OFFICE ADDRESS Post Office Address: Sign: Date: c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN May 16, 2000 Witness: Satoshi Kosakai Post Office Address: Date: Sign: 2-6-7, Nijinooka, Izumi-ku, Sendai-shi, May 16, 2000 Miyaqi-ken, JAPAN Witness: Tsuguo FUKUDA Post Office Address: Sign: c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN May 16, 2000 Katsuo SATO Satosh Kosakai

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

RECORDING OFFICER:

After recording, please return to:

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C. 767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023 Tel. No.: (212) 319-4900 Fax No.: (212) 319-5101

PATENT REEL: 010815 FRAME: 0786

ASSIGNMENT

INVENTOR-SIGNATURE	DATE	RESIDENCE AND POST OFFICE ADDRESS
sign: Hiroki Morikeshi	Date: May 16, 2000	Post Office Address: c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN
Type: Hiroki MORIKOSHI	Witness: Satoshi Kosakai	
Sion: Katsumi Kanasaki	Data: May 16, 2000	Post Office Address: c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN
Type: Katsumi KAWASAKI	Witness: Satosh: Kosakai	
Sion: Kiyos hi Uchida Type:	Date: May 16, 2000 Witness:	Post Office Address: c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, JAPAN
Kiyoshi UCHIDA	Satosh KosaKai	Post Office Address;
Type:	Witness:	
туре.	THU ESS.	
Sign:	Date:	Post Office Address:
Туре:	Witness:	
Sign:	Date:	Post Office Address:
Туре:	Witness:	
Sign:	Date:	Post Office Address:
Туре:	Witness;	
Sign:	Date:	Post Office Address:
Туре:	Witness;	

RECORDED: 05/19/2000

PATENT REEL: 010815 FRAME: 0787