Atty Docket No.:

0039-7461-2S/mer

FORM PTO-1595 MKO 1-31-92 12.10.99



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

ease record the attached original documents or copy thereof	
2. Name and address of receiving party(ies):	
Name: KABUSHIKI KAISHA TOSHIBA	
Address: 72 Horikawa-cho, Saiwai-ku, Kawasaki-sl Japan	
Additional name(s) and address(es) attached? □Yes ■	
56402	
the execution date of the application is: December 2, 19	
B. Patent No.(s)	
OTO	
ttached? □Yes ■No	
6. Total 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: 15-0030 (Attach duplicate copy of this page if paying by deposit account)	
THIS SPACE	
ation is true and correct and any attached copy is a true c	
7,5	
61mm MGMand 12/8/25	
Signature Date	
ation Number 21,124	
s cover sheet: 2	
s cover sheet: 2	
s cover sheet: 2	

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

PATENT REEL: 010446 FRAME: 0283 In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

ULTRASONIC TRANSDUCER AND MANUFACTURING METHOD THEREFOR

sell and assign to

KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, and 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 United States patent application:

(check one)	[X] executed concurrently herewith;		
	[] executed on	;	
	[] Application No.	, filed	:

and in and to all applications for patent and patents for invention, in all countries of the world, including all divisions, reissues, continuations, substitutes 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 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 proceedings, 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 the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202, U. S. A.

[Inventor]

Post Office Address: c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome,

Minato-ku, Tokyo 105-8001, Japan

Residence Address: Nasu-gun, Japan

Country of Citizenship: Japan

Date: DEC. -2.1999

Satoru Tezuka

After recording please return to:

Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

RECORDED: 12/10/1999

Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202, U. S. A.

PATENT REEL: 010446 FRAME: 0284