

11-05-2002

Docket No. 02545/LH



102272328

To the Honorable Commissioner of Patents and Trademarks, Please receive the attached original documents or copy thereof.

1. Name of conveying party(ies):

Chiaki TANUMA

10-28-02

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

Toshiba Tec Kabushiki Kaisha
1-1, Kanda Nishiki-cho,
Chiyoda-ku
Tokyo 101-8442, JAPAN

OCT 28 2002

3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): September 17, 2002

, 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)

10/245,604

B. Patent No.(s)

, respectively.

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

FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.
767 Third Avenue, 25th Floor
New York, New York 10017-20236. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[] Amount included with filing fee attached hereto.

[X] 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.

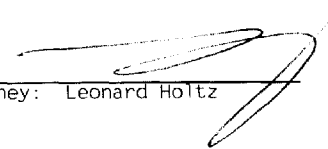
9. Statement and signature:

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: October 23, 2002By: Leonard Holtz
Reg. No. 22,974

CERTIFICATE OF MAILING

I hereby certify this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to: U.S. Patent and Trademark Office Assignment Division, BOX ASSIGNMENT, Director, U.S. Patent and Trademark Office, Washington, D.C. 20231 on the date noted below.

Attorney:  Leonard HoltzDated: October 23, 2002

5/02

Total number of pages including cover sheet, attachments and document: 3

11/04/2002 6TON11 00000009 10245604

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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:

RECORDING HEAD AND RECORDING APPARATUS USING THE SAME

sell and assign to TOSHIBA TEC KABUSHIKI KAISHA

a corporation of JAPAN

having a business address at 1-1 Kanda Nishiki-cho, Chiyoda-ku, Tokyo 101-8442, 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.: 10/245,604

FILING DATE: September 17, 2002

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

INVENTOR: SIGNATURE		DATE	POST OFFICE ADDRESS
Sign: <i>Chiaki Tanuma</i>	Date: <i>September 17, 2002</i>	Address: Toshiba Tec Kabushiki Kaisha 1-1 Kanda Nishiki-cho, Chiyoda-ku, Tokyo 101-8442, JAPAN	
Type: Chiaki TANUMA	Witness:		
Sign:	Date:	Address:	
Type:	Witness:		
Sign:	Date:	Address:	
Type:	Witness:		
Sign:	Date:	Address:	
Type:	Witness:		

NOTES: MUST BE DATED.

WITNESS DESIRABLE.

LEGALIZATION NOT REQUIRED.

RECORDING OFFICER:

After recording, please return to:

FRISHAUF, HOLTZ, GOODMAN & 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

RECORDED: 10/28/2002

REEL: 013443 FRAME: 0176