Atty Docket No.:

MED

FORM PTO-1595

1.31-92

0039-7344-2S PCT/vc



12.3.99

! 1

101218067

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): KABUSHIKI KAISHA TOSHIBA Name: Shuichi HISATOMI, Yuji ITO, Shinichi KIKUCHI, Kazuhiko TAIRA, and Hideo ANDO 72, Horikawa-cho, Saiwai-ku, Kawasaki-ken E 210-8572, Japan Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: DEC 0 3 1999 □ Merger Assignment □ Change of Name □ Security Agreement □ Other authorian name(s) and address(es) attached? □Yes ■No **Execution Date:** August 25, 1999 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: N/A B. Patent No.(s) A. Patent Application No.(s) 09/367,870 Additional numbers attached? □Yes ■No 6. Total applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ■ Enclosed ☐ Authorized to be charged to deposit account Attorneys at Law Fourth Floor 15-0030 8. Deposit account number: 1755 Jefferson Davis Highway (Attach duplicate copy of this page if paying by deposit account) Arlington, Virginia 22202 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. Marvin J. Spivak Signature Name of Person Signing **SURINDER SACHAR** Registration Number: **REGISTRATION NO. 34,423** Total number of pages including this cover sheet: 00000070 09367670 12/09/1999 TTON11 40.00 DP Do not detach this portion 01 FC:581 Mail documents to be recorded with required cover sheet information to:

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

> PATENT REEL: 010418 FRAME: 0537

(98S0948P1)

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:

RECORDING MEDIUM, PLAYBACK APPARATUS AND RECORDING/PLAYBACK APPARATUS THEREOF

sell and assign to

KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken 210-8572, 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;

> [X] executed concurrently herewith; | executed on August 25, 1999 | | | Application No. 09/367,870 | | filed September 3, 1999 |

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.

[1st Inventor]

Post Office Address: 3-39-7, Miyoshicho, Fuchu-shi, Tokyo 183-0045, Japan Residence Address: 3-39-7, Miyoshicho, Fuchu-shi, Tokyo 183-0045, Japan

Country of Citizenship: Japan

Date: August 25. 1999 Shuich I troiten

[2nd Inventor]

Post Office Address: 302, 5-22-1, Chuo, Ota-ku, Tokyo 143-0024, Japan Residence Address: 302, 5-22-1, Chuo, Ota-ku, Tokyo 143-0024, Japan

Country of Citizenship: Japan

11

Date: August 25, 1999 Juji Ito

PATENT REEL: 010418 FRAME: 0538 [3rd Inventor]
Post Office Address: 4-23-1, Yokodai, Isogo-ku, Yokohama-shi, Kanagawa-ken 235-0045, Japan Residence Address: 4-23-1, Yokodai, Isogo-ku, Yokohama-shi, Kanagawa-ken 235-0045, Japan Country of Citizenship: Japan

Date: Cugust The Managawa-ken 235-0045, Japan Residence Address: 2-16-26, Yokodai, Isogo-ku, Yokohama-shi, Kanagawa-ken 235-0045, Japan Residence Address: 2-16-26, Yokodai, Isogo-ku, Yokohama-shi, Kanagawa-ken 235-0045, Japan Country of Citizenship: Japan

Date: Address: 890-1-205, Arai, Hino-shi, Tokyo 191-0022, Japan Residence Address: 890-1-205, Arai, Hino-shi, Tokyo 191-0022, Japan Country of Citizenship: Japan

Country of Citizenship: Japan

After recording please return to:

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

RECORDED: 12/03/1999

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

Date: August 25, 1999 Hideo Ando

PATENT REEL: 010418 FRAME: 0539