IPOS Copy 9903801-0

**PCT**

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G11B 7/00

A2

(11) International Publication Number: WO 99/31657

(43) International Publication Date: 24 June 1999 (24.06.99)

(21) International Application Number: PCT/JP98/05618

(22) International Filing Date: 11 December 1998 (11.12.98)

(30) Priority Data:

| | | |
|---|---|---|
| 9/344874 | 15 December 1997 (15.12.97) | JP |
| 10/298214 | 20 October 1998 (20.10.98) | JP |

(81) Designated States: CN, ID, KR, MX, SG.

Published

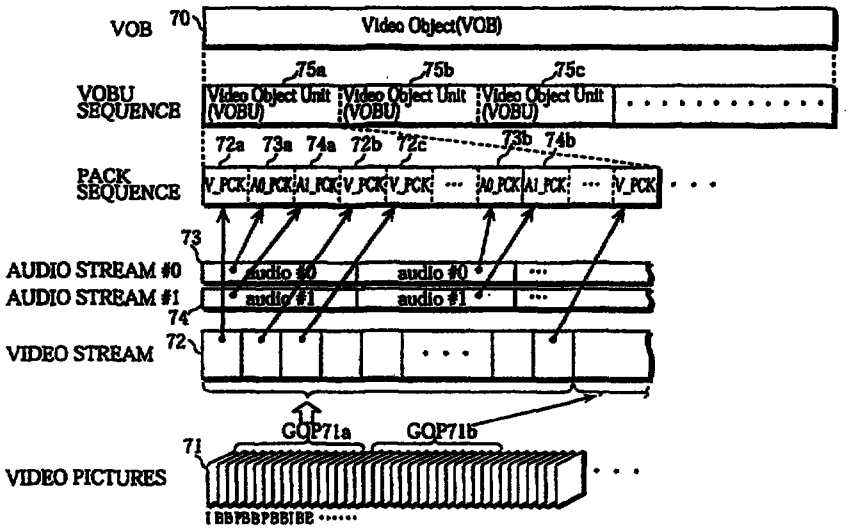
*Without international search report and to be republished upon receipt of that report.*

(71) Applicant: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, OazaKadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventors: YAGI, Tomotaka; 14-47-409, Takakuracho, Nishinomiya-shi, Hyogo 662-0872 (JP). MIWA, Katsuhiko; 2-24-6-402, Yagumonishimachi, Moriguchi-shi, Osaka 570-0006 (JP). OKADA, Tomoyuki; 6-6-101, Myoukenzaka, Katano-shi, Osaka 576-0021 (JP). TSUGA, Kazuhiro; 9-33, Tutujigaoka, Hanayasiki, Takarazuka-shi, Hyogo 665-0803 (JP).

(74) Agent: NAKAJIMA, Shiro; 6F, Yodogawa 5-Bankan, 2-1, Toyosaki 3-chome, Kita-ku, Osaka-shi, Osaka 531-0072 (JP).

(54) Title: OPTICAL DISC, OPTICAL DISC RECORDING APPARATUS, AND OPTICAL DISC RECORDING METHOD FOR FACILITATING DUBBING, STORAGE MEDIUM FOR STORING OPTICAL DISC RECORDING PROGRAM FOR FACILITATING DUBBING, OPTICAL DISC REPRODUCING APPARATUS, AND OPTICAL DISC REPRODUCING METHOD




(57) Abstract

A recordable optical disc stores one or more video objects. A video stream, a first audio stream, and a second audio stream which is used for dubbing are multiplexed into each video object. Also, an optical disc recording apparatus generates the second audio stream by an audio stream generating means, and multiplexes the generated second audio stream into each video object together with the video object and the first audio stream by a multiplexing means. The generated video objects are recorded onto the recordable optical disc by a recording means. The optical disc in which such video objects are stored facilitates dubbing.