13 September 2002

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
G06F 3/06, G11B 27/32

A2

(11) International Publication Number: WO 99/47996

(43) International Publication Date: 23 September 1999 (23.09.99)

(21) International Application Number: PCT/US99/05395

(22) International Filing Date: 12 March 1999 (12.03.99)

(30) Priority Data:

60/078,018	14 March 1998 (14.03.98)	US
09/267,150	11 March 1999 (11.03.99)	US

(71) Applicant: SONY ELECTRONICS, INC. [US/US]; 1 Sony Drive, Park Ridge, NJ 07656 (US).

(72) Inventor: JAMES, David, V.; 3180 South Court, Palo Alto, CA 94306 (US).

(74) Agents: GALLENSON, Mavis, S. et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

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

(54) Title: AV/C COMMANDS

(57) Abstract

A method and system thereof for organizing and accessing stored data in a mass storage unit such as a hard disk device. An object is associated with the stored data, and a unique object identifier is derived for and assigned to the object by the hard disk device. The object is addressed by its object identifier. The object is maintained in a hierarchical organization with other objects. The hierarchical organization includes an object list that contains the object identifier and also includes object identifiers for the other objects. Commands are defined for accessing and operating on the stored data using the object identifier for the object associated with the data. Thus, objects are named and organized on a hard disk device in an audio/visual network in a uniform manner, and the objects are represented to devices in the AV network so that they can be readily accessed and retrieved by those devices. In one embodiment, the unique object identifier includes a first portion representing a unique vendor number for the particular hard disk device and a second portion representing a unique assignment such as the date and time that the object was created.



G00002



162162