(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 March 2003 (20.03.2003)

PCT

(10) International Publication Number
WO 03/023753 A1

(51) International Patent Classification[7]: G09G 5/00

(21) International Application Number: PCT/US02/25982

(22) International Filing Date:
13 September 2002 (13.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/318,638 13 September 2001 (13.09.2001) US

(71) Applicant: **E-BOOK SYSTEMS PTE LTD** [SG/SG]; Block 13, Lorong 8 Toa Payoh #06-03, Bradell Tech Park, Singapore 319261 (SG).

(72) Inventors: **BOON, Suan, Zin**; 8 Chesnut Crescent, Singapore 679362 (SG). **HO, Seng, Beng**; 4 Lorong 37 Geylang #04-01, Singapore 387902 (SG). **LIANG, Chee, Cheng, J.**; 16 Happy Avenue Central, Singapore 369908 (SG).

(74) Agent: **LYTLE, Bradley, D.**; Oblon, Spivak, McClelland, Maier, & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

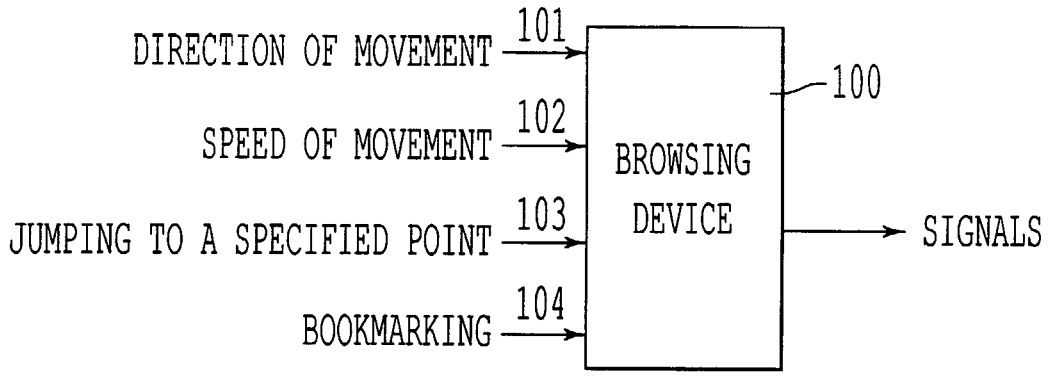
Published:
— *with international search report*

(48) Date of publication of this corrected version:
11 December 2003

(15) Information about Correction:
see PCT Gazette No. 50/2003 of 11 December 2003, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN ELECTROMECHANICAL INFORMATION BROWSING DEVICE



(57) Abstract: An electromechanical information browsing device (100) that controls page flipping actions (Fig. 1) of information displayed as an e-book (200) on a display device (201). The browsing device includes a controller (500) that provides tactile feedback so as to lessen the user-interface differences between conventional books and e-books. Sensors (502) and control mechanisms (501) in the controller generate a series of electrical signals that are interpreted by the computer that displays the e-book to control various browsing operations, such as flipping pages, controlling a rate of page flipping, jumping to pre-set locations in the e-book, etc.

WO 03/023753 A1