

10/04/03
2003 020 039

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

(19) World Intellectual Property Organization
International Bureau



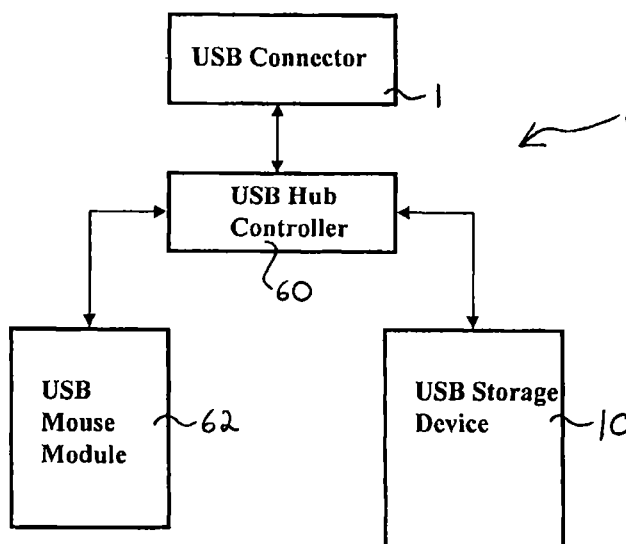
(43) International Publication Date
13 June 2002 (13.06.2002)

PCT

(10) International Publication Number
WO 02/46904 A1

- (51) International Patent Classification⁷: **G06F 3/033**
- (21) International Application Number: PCT/SG00/00195
- (22) International Filing Date: 4 December 2000 (04.12.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **TREK TECHNOLOGY (SINGAPORE) PTE LTD** [SG/SG]; 30 Loyang Way #07-13/14/15, Loyang Industrial Estate, Singapore 508769 (SG).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **CHENG, Chong, Seng** [SG/SG]; 129 Loyang Rise, Singapore 507472 (SG).
- (74) Agent: **MCCALLUM, Graeme, David**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- 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: A COMPUTER POINTING DEVICE



(57) Abstract: A computer device (65) has a coupling device (1) for coupling to a computer serial bus. A primary control device (60) is coupled to the coupling device (1). A computer pointing mechanism (62) is coupled to the primary control device (60) and a data storage device (10) is coupled to the primary control device (60). The primary control device (60) controls data flow between the coupling device (1) and each of the computer pointing mechanism (62) and the data storage device (10). The data storage device (10) includes an interface device (2) coupled to the primary control device (60), a memory control device (3) and a non-volatile solid-state memory device (4). The memory control device (3) being coupled between the interface device (2) and the memory device (4) to control the flow of data from the memory device (4) to the interface device (2).

WO 02/46904 A1