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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 July 2002 (11.07.2002)

PCT

(10) International Publication Number
WO 02/054212 A2

(51) International Patent Classification[7]: G06F 1/32

(21) International Application Number: PCT/US01/44514

(22) International Filing Date:
27 November 2001 (27.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/752,627 29 December 2000 (29.12.2000) US

(71) Applicant *(for all designated States except US)*: **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HART, Frank** [US/US]; 2004 Jerimouth Drive, Apex, NC 27502 (US). **SRITANYARATAN, Sirpong** [TH/US]; 3280 Santa Sophia Court, Union City, CA 94587 (US). **BORMANN, David** [US/US]; 856 Hydrangea Court, Sunnyvale, CA 94086 (US). **CLINE, Leslie** [US/US]; 649 Madrona Avenue, Sunnyvale, CA 94085 (US).

(74) Agents: **MALLIE, Michael, J.** et al.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (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, PH, 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, ZM, 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, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that 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.

WO 02/054212 A2

(54) Title: COMPUTER PERIPHERAL DEVICE THAT REMAINS OPERABLE WHEN CENTRAL PROCESSOR OPERATIONS ARE SUSPENDED

(57) Abstract: A peripheral device having a circuit to detect the power management state of a central processor, a first interface to receive data, and a second interface to couple the peripheral device to the central processor. The peripheral device prevents data transfers that would cause the central processor to change from a second power management state to a first power management state if the central processor is in the second power management state.