G703524-0

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6: G06F 1/30, 1/32	A1	(11) International Publication Number: WO 96/27827
		(43) International Publication Date: 12 September 1996 (12.09.96)

(21) International Application Number: PCT/US96/02742

(22) International Filing Date: 29 February 1996 (29.02.96)

(30) Priority Data:
08/400,027 6 March 1995 (06.03.95) US

(71) Applicant: INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).

(72) Inventors: CHOU, Stephen, T.; 16235 N.W. Schendel Avenue, No. B, Beaverton, OR 97006 (US). FENGER, Russell, J.; 20514 S.W. Rosa Drive, Aloha, OR 97007 (US). KUMAR, Mohan, J.; 1765 N.W. 173, No. 711, Beaverton, OR 97006 (US). LORTZ, Victor, B.; 7716 S.W. Oviatt, Beaverton, OR 97007 (US). MANNY, Benjamin, L.; 2010 N.W. 135th Avenue, Portland, OR 97229 (US). TRAVNICEK, Mil; 17619 N.W. Waltuck Court, Portland, OR 97129 (US). WANG, Chih-Kan; 1522 N.W. 129th Place, Portland, OR 97229 (US).

(74) Agents: SPONSELLER, Alan, T. et al.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025-1026 (US).

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

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: A COMPUTER SYSTEM WITH UNATTENDED ON-DEMAND AVAILABILITY

(57) Abstract

A computer system with unattended on-demand availability includes power-saving features (135) which place the system into a Standby mode whenever the system is idle or is not being used. Prior to entering Standby mode, the system sets a hardwire timer (105) which indicates when the next scheduled event (155) in the system should be performed. When either the timer expires or another event occurs which requires system operation, the system resumes to the On power state without user intervention. In one embodiment, the system of the present invention allows applications to periodically save their operational states (165). By saving their operational states (165), applications are able to guard against power failures and crashes. If a power failure or crash occurs, the system consults restart policies (170) and, if appropriate, automatically re-starts (140) applications to their most recently saved operational states (165) once power is re-stored.

