



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G06F 12/02	A1	(11) International Publication Number: WO 98/43167 (43) International Publication Date: 1 October 1998 (01.10.98)
(21) International Application Number: PCT/EP98/01605 (22) International Filing Date: 19 March 1998 (19.03.98) (30) Priority Data: 97400650.4 21 March 1997 (21.03.97) EP (34) Countries for which the regional or international application was filed: FR et al. PCT/EP97/02112 25 April 1997 (25.04.97) WO (34) Countries for which the regional or international application was filed: FR et al. 97121741.9 10 December 1997 (10.12.97) EP (34) Countries for which the regional or international application was filed: FR et al. (71) Applicant (for all designated States except US): CANAL+ SOCIETE ANONYME [FR/FR]; 85/89, quai André Citroën, F-75711 Paris Cedex 15 (FR). (72) Inventors; and (75) Inventors/Applicants (for US only): MERIC, Jérôme [FR/FR]; 55, rue de Meaux, F-60300 Saint Lis (FR). SARFATI, Jean-Claude [FR/FR]; 2-4, place d'Oberursel, F-93800 Epinay sur Seine (FR). LETOURNEUR, Patrice [FR/FR]; 44, rue Cluseret, F-92150 Suresnes (FR). BEUQUE, Jean-Bernard, Gérard, Maurice [FR/FR]; 132, rue Vic- tor-Hugo, F-92270 Bois-Colombes (FR). LIAO, Hongtao [FR/FR]; 4, rue du Canal, F-78180 Montigny-BTX (FR). (74) Agent: COZENS, Paul, Dennis; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, 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, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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).		
(54) Title: COMPUTER MEMORY ORGANIZATION (57) Abstract In a memory in a computer system, a plurality of buffer zones are defined by a buffer management system. A command defines a number NP of pools of buffers in a public buffer zone, and for each pool, a pool size PS of the number of buffers in the pool and the size BS of the buffers in that pool. The buffer management system is initialized to store, for each buffer zone, the buffer sizes and to cumulate and store the pool sizes. To address a buffer, the buffer management system determines the address of the start of the buffer from the desired pool and buffer numbers, using the stored information. The buffer management system also defines a header at the beginning of each buffer. Checking for out-of-limits conditions can also be provided. Various private buffer zones allocated to respective different clients, can be similarly defined.		
(54) Title: COMPUTER MEMORY ORGANIZATION (57) Abstract In a memory in a computer system, a plurality of buffer zones are defined by a buffer management system. A command defines a number NP of pools of buffers in a public buffer zone, and for each pool, a pool size PS of the number of buffers in the pool and the size BS of the buffers in that pool. The buffer management system is initialized to store, for each buffer zone, the buffer sizes and to cumulate and store the pool sizes. To address a buffer, the buffer management system determines the address of the start of the buffer from the desired pool and buffer numbers, using the stored information. The buffer management system also defines a header at the beginning of each buffer. Checking for out-of-limits conditions can also be provided. Various private buffer zones allocated to respective different clients, can be similarly defined. 26		