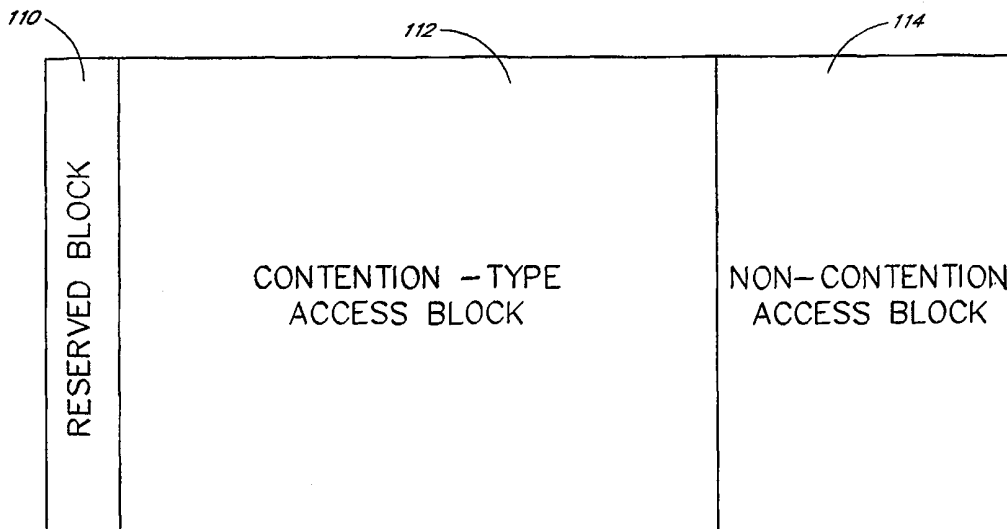




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<p>(21) International Application Number: PCT/US99/16387 (22) International Filing Date: 20 July 1999 (20.07.99) (30) Priority Data: 60/093,622 21 July 1998 (21.07.98) US 09/330,102 10 June 1999 (10.06.99) US 09/347,879 6 July 1999 (06.07.99) US (71) Applicant (for all designated States except US): TACHYON, INC. [US/US]; Suite 101, 6225 Nancy Ridge Drive, San Diego, CA 92121 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): CARNEAL, Bruce, L. [US/US]; 13172 Caminito Pointe Del Mar, Del Mar, CA 92064 (US). BECKER, Donald [US/US]; 6296 Camino Del Pajaro, Rancho Santa Fe, CA 92067 (US). MOERDER, Karl, E. [US/US]; 13360 Whitewater Drive, Poway, CA 92064 (US). (74) Agent: ALTMAN, Daniel, E.; Knobbe, Martens, Olson & Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).</p>	<p>(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 27 April 2000 (27.04.00)</p>	

(54) Title: METHOD AND APPARATUS FOR MULTIPLE ACCESS IN A COMMUNICATION SYSTEM



(57) Abstract

A communication system is comprised of three communication resources: a contention-type access block (112), a non-contention access block (114) and a second non-contention access block called a reserved block (110). Each time that a remote unit (104) has a block of data to transfer to a hub station (100), the remote unit (104) sends the block of data over the contention-type access block (112). The remote unit (104) also sends a corresponding notification message over the reserved block (110). If the hub station (100) receives the notification message but not the block of data, the hub station (100) sends a response message to the remote unit (104) which designates the resource within the non-contention access block (114). The remote unit (104) sends the block of data over the designated resource.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H04Q H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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Date of the actual completion of the international search	Date of mailing of the international search report
24 January 2000	28/01/2000

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Vaskimo, K
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