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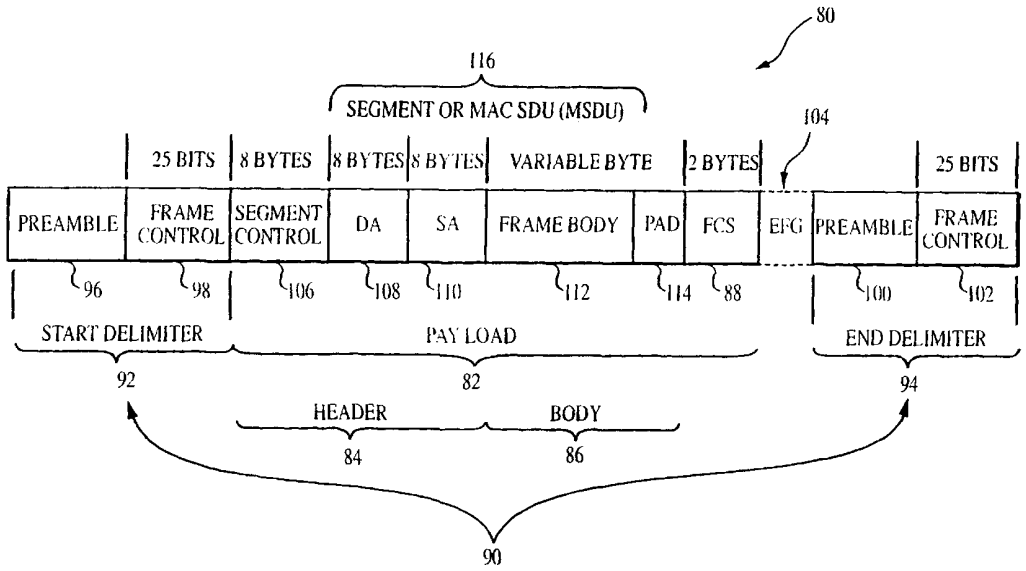
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— *with international search report*

[Continued on next page]

(54) Title: FRAME CONTROL FOR EFFICIENT MEDIA ACCESS



(57) Abstract: A robust Media Access Controller, MAC, scheme for network stations (12) operating in an OFDM transmissions network (10). The MAC scheme uses robustly transmitted frame control information to ensure network synchronization for media access. The frame control information can occur in a frame (80) in a first frame control field (98) before the frame's payload (82) and in a second frame control field (102) after the frame's payload (82), or in a third access priority (144) to convey channel access prioritization for QoS.

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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.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/24449

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04B 7/212
US CL : 370/322

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)
U.S. : 370/322,346,347,348,449,461,462

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 practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,956,338 A (GHAIBEH) 21 September 1999 (21.09.1999), figs. 5-9, column 6-column 8.	1-3, 6-7, 11-13, 19-22, 27-28 --- 4-5, 8, 17
X --- Y	US 5,651,009 A (PERREAULT et al) 22 July 1997 (22.07.1997), column 4, lines 3-44.	1, 19, 21-22, 27-28 --- 4-5, 8, 17

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search 21 October 2001 (21.10.2001)	Date of mailing of the international search report 06 MAR 2002
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Jasper Kwoh Telephone No. (703)305-4700

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/24449

Continuation of B. FIELDS SEARCHED Item 3:
EAST
search terms: polling; frame, contention