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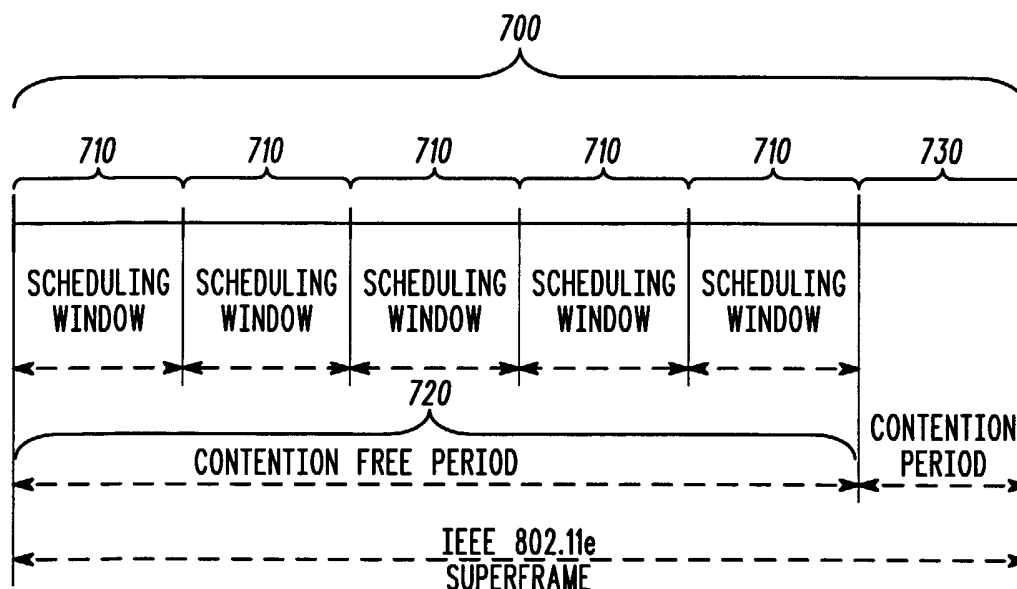
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[Continued on next page]

(54) Title: ADAPTIVE SCHEDULING WINDOW MANAGEMENT FOR A QUALITY OF SERVICE ENABLED LOCAL AREA NETWORK



(57) Abstract: A method (600) performed by a packet scheduler of an access point (215) of adaptively resizing a scheduling window in a Quality of Service enabled Local Area Network (200) is disclosed. The packet scheduler schedules data packets for a given duration, termed a scheduling window. The packet scheduler according to an embodiment of the invention adaptively changes the duration of the scheduling window based on the QoS requirements of data packets to be transmitted to and from the access point (215). In particular, the duration of the scheduling window is changed based on the delay requirement of the data packet having the most constraint QoS requirement.

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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.

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INTERNATIONAL SEARCH REPORT

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PCT/US04/13893

A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 370/252, 395.4, 462

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. : 370/252, 395.4, 462, 414, 329, 352-356, 400, 401, 386, 395.1, 338, 230.1; 455/12.1

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,P	US 6,570,849 B1 (SKEMER et al.) 27 May 2003, figs. 1 and 2, col. 1 lines 53-65 and col. 3 lines 44 to 57 and col. 6 and 8 lines 28 to 67 and col. 9 lines 1-20.	1,5,6,8,9,13, 14, 16,
A	US 6,452,915 B1 (JORGENSEN) 17 September 2002, see entire document.	17 1-20



Further documents are listed in the continuation of Box C.



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* Special categories of cited documents:

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document member of the same patent family

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Continuation of B. FIELDS SEARCHED Item 3:

USPAT

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