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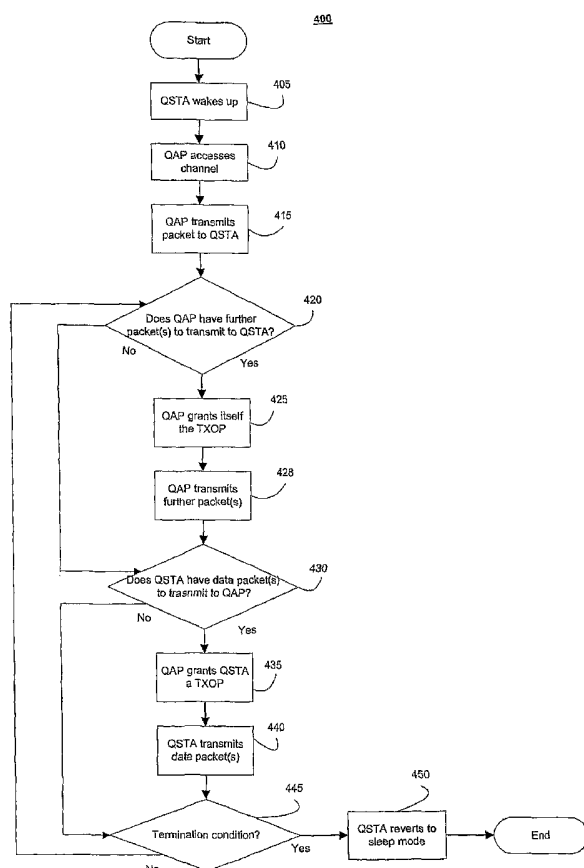
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR BATTERY CONSERVATION IN WIRELESS STATIONS



(57) Abstract: Described are a system and method for battery conservation in a wireless station. Initially, a wireless station switches, according to a predetermined time schedule, from a first communications mode (450) into a second communications mode (405). The station is capable of at least one of receiving and transmitting data packets (415) only when the station is in the second communications mode. The first mode is a power conservation mode (450). When the station is in the second mode (405), a wireless access point obtains a priority access to a radio channel (425). Then, the access point reserves the radio channel for wireless communications between the access point and the station. Wireless communications are conducted between the access point and the station over the radio channel (428, 440). Upon a termination condition, the station switches into the first mode (450).

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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/24330

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G01R 31/08**(2006.01);**H04L 12/413**(2006.01),**12/403**(2006.01)

USPC: 370/230,230.1,236

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. : 370/230,230.1,236,445,449,468,437,461

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0081133 A1 (Smavatkul et al) 29 April 2004 (29.04.2004), paragraphs 3-6	1-5,7-14,16-19
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Y		6,15
Y	US 2002/0110085 A1 (Ho et al.) 15 August 2002 (15.08.2002), fig. 3 & paragraphs 55-58	6,15
A	US 2003/0081628 A1 (Sugar et al) 01 May 2003 (01.05.2003), abstract	6,7, 15-16



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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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