Title: SYNCHRONIZATION OF MEDIA ACCESS CONTROL (MAC) SUPERFRAMES

Abstract: A device and method for of synchronizing a MAC superframe of a wireless device is disclosed. The wireless device can be located within a chain of a plurality of other wireless devices. The method includes receiving beacons from at least one other device during a superframe of the wireless device, determining a superframe offset for each of the other wireless devices based on timing of the received beacons, determining a corrective delay based on the superframe offsets, inserting the corrective delay within a current superframe of the wireless device, and inserting a predictive delay within the current superframe, the predictive delay being determined by an estimate of a difference between a frequency a clock of the wireless device and a frequency of a slowest clock of the other wireless devices within the chain.
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
PGT/US06/37260

A * CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H04B 7/212 (2007.01)
USPC - 370/347
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(8) - H04B 7/212, 7/00 (2007.01)
USPC - 370/347, 455/41 2, 519

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)
MicroPatent

C DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>US 2002/01 14303 A1 (CROSBIE et al) 22 August 2004 (22 08 2004), entire document</td>
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Date of the actual completion of the international search
22 March 2007

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