

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



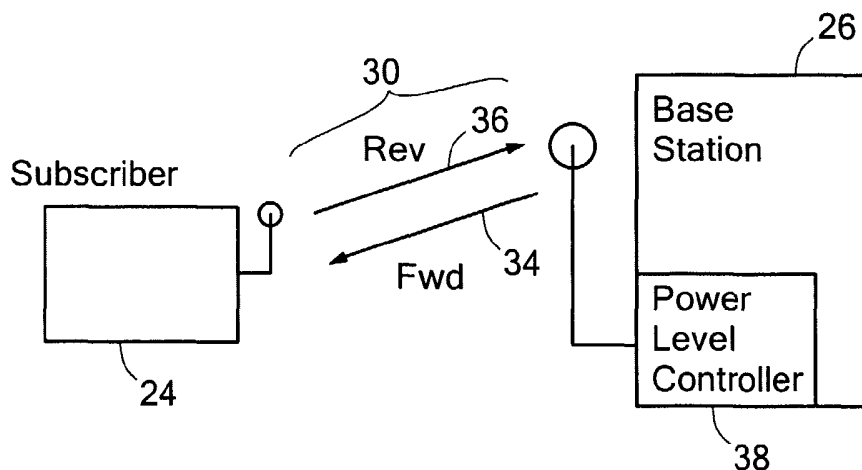
(43) International Publication Date
19 December 2002 (19.12.2002)

PCT

(10) International Publication Number
WO 02/101941 A3

- (51) International Patent Classification⁷: H04B 3/06, 7/216, H04Q 7/20
- (21) International Application Number: PCT/US02/18445
- (22) International Filing Date: 11 June 2002 (11.06.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/297,839 13 June 2001 (13.06.2001) US
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- (81) Designated States (*national*): CA, CN, JP, KR.
- (84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 31 July 2003
- 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.*

(54) Title: SYSTEM AND METHOD FOR COORDINATION OF WIRELESS MAINTENANCE CHANNEL POWER CONTROL



(57) Abstract: In a wireless communication system, wireless channels (34, 36) are maintained for communication between users (24) and the base station (26). Often, a wireless user may be switched on, but not actively sending or receiving data. Accordingly, wireless users may be "active", and currently allocated a wireless traffic channel for sending or receiving, or "idle", and not currently sending or receiving. A wireless user may be maintained in an idle state through a periodic sequence of synchronization messages. A method for controlling a power level of a wireless message includes determining the presence of data to be transmitted, and adjusting the power level of the synchronization message depending on the presence of data. The synchronization messages corresponding to the idle state employ a lower power level than the active state transmissions which employ a higher power level. The system therefore controls the power accordingly such that synchronization messages are sent at a lower power level when no data is present, thereby reducing power consumption and interference.



WO 02/101941 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/18445

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : H04J 3/06; H04B 7/216; H04Q 7/20 US CL : 370/335, 342, 350; 455/69, 522		
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. : 370/335, 342, 350; 455/69, 522		
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,P	US 2001/0012276 A1 (TSUNEHARA et al) 09 August 2001 (09.08.2001), See page 1, section 9 to page 2, section 16.	1-53
X,P	US 2001/0006898 A1 (BAE) 05 July 2001 (05.07.2001), See Fig 4.	1-53
X	US 5,715,521 A (FUKASAWA et al) 03 February 1998 (03.02.1998), Fig 2.	1-53
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search	Date of mailing of the international search report	
11 September 2002 (11.09.2002)	012 DEC 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 Steven Nguyen Telephone No. (703) 308-8848	