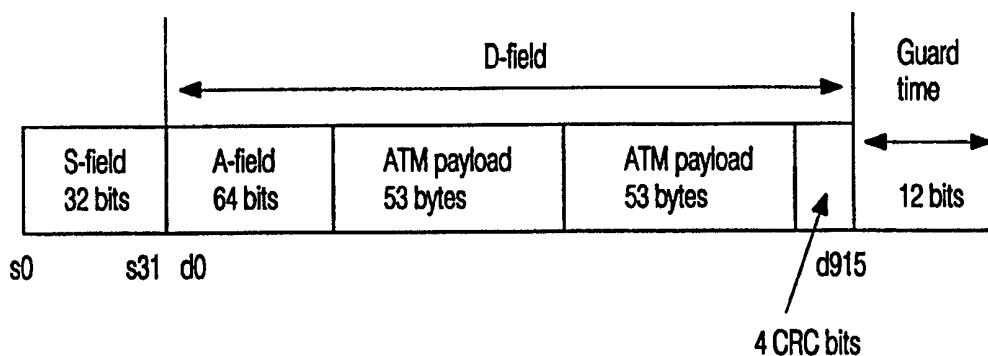




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(54) Title: COMMUNICATION NETWORK FOR TRANSMITTING ATM CELLS OVER A DECT LIKE FRAME



(57) Abstract

In a multiple access communication network a primary station (2) is coupled to a plurality of secondary stations (4.....18). The secondary stations (4.....18) transmit packets to the primary station in timeslots in a frame. These timeslots are chosen according to the DECT standard. The problem is that it is not possible to transmit 53 bytes ATM cells in an efficient way in the standard DECT packets. According to the present invention, the guard space to deal with the differing transmission delays between several secondary stations and the primary station is reduced. To prevent problems due to the above-mentioned delay differences, the secondary stations (4.....18) comprise compensation means for adjusting the transmission instants of the packets they transmit. By reducing the guard space, it becomes possible to transmit two 53 bytes ATM cells in a double DECT slot, enabling an efficient transmission of ATM cells over a DECT like frame.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 99/00396

A. CLASSIFICATION OF SUBJECT MATTER		
IPC6: H04L 12/56 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
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IPC6: H04L, H04Q		
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A	ETSI: Ets 300 175-2, September 1996, Second Edition "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT);" Common Interface (CI); Part 2: Physical layer (PHL) page 14-23 --	1-10
A	EP 0841830 A1 (KONINKLIJKE PTT NEDERLAND N.V.), 13 May 1998 (13.05.98), see the whole document -- -----	1-10
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0841830 A1	13/05/98	NL 1004458 C	00/00/00