

EP0346783

Biblio

Desc

Claims

Page 1

Drawing



Method and device for transmitting digital telemetry signals in a digital data flow.

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Abstract

Via the data line (30), arbitrary CMI-coded data (D) are primarily transmitted as a sequence of blocks (E) of two bits each (140 Mbit/s). In addition, an arbitrary secondary telemetry signal (S) can be transmitted by replacing individual blocks (E) by one telemetry block (T) in each case. In this connection, there are no restrictions with respect to the type of blocks (E) or to the desired point in time. The three types of permitted blocks (E) of the CMI code are associated with three types of telemetry blocks (T) in such a manner that in each case one rule of the CMI code is violated by the latter and each telemetry block (T) can be re-replaced by a permitted block (E) of the type to which the original block (E) belonged. There are three possibilities for this. In the simplest case, the bits of the telemetry blocks (T) are inverted compared with the bits of the replaced block (E). This inversion can be effected in a simple manner by means of an EXOR gate. [Image](#)