

Title (en)

Method for decoding data blocks received by a RDS receiver

Title (de)

Verfahren zur Decodierung von mit einem RDS-Empfänger empfangenen Datenblöcken

Title (fr)

Procédé pour le décodage de données des blocs dans un récepteur pour des signaux RDS

Publication

EP 0748055 A2 19961211 (DE)

Application

EP 96106156 A 19960419

Priority

DE 19520685 A 19950607

Abstract (en)

The method decodes data blocks received in an RDS receiver. The bits allocated to the test word in individual data blocks are combined in a first NOR (5) gate with the bits of the offset value belonging to the data block. Then, error free reception of the data block in a syndrome register is tested and, if necessary, an error correction is carried out. For the error correction, the bits allocated to the information word are temporarily stored for output via a second NOR gate (9). All received bits of the data block are first read into a temporary memory (3) connected in front of the first NOR gate (5). After storing a complete data block, the bits are read out from the temporary memory (3) during the last bit period of the data block. The first read out is done via the first NOR gate (5) into the syndrome register (8). On the second read out the input of the syndrome register (8) is locked by a blocking stage (7). The code word released in the first NOR gate (5) from superimposed offset values is output directly to the second NOR gate (9).

Abstract (de)

Es wird ein Verfahren zur Decodierung von mit einem RDS-Rundfunk-Empfänger empfangenen Datenblöcken beschrieben, bei dem der in einem 26-Bit-Schieberegister zwischengespeicherte Datenblock zweimal ausgelesen wird, so daß bei einer Fehlerkorrektur auch das Prüfwort erfaßt wird. Ferner wird eine Schaltungsanordnung zur Durchführung dieses Verfahrens erläutert. <IMAGE>

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IPC 8 full level

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