

- 21 -

METHOD FOR TRANSMITTING ADDITIONAL INFORMATION IN
AN AM RADIO SIGNAL

ABSTRACT

For transmitting additional information in an AM radio signal, initially, at the transmitting end an AM radio signal carrier is modulated in its phase position by means of a digital, coded additional information signal. At the reception end the AM radio signal carrier is phase-modulated, the additional information signal acquired is decoded and the decoded additional information is used for tuning, switching or playback. The additional information (PI, PS, AF, AFT, TP, TA, TMC, RT) of the additional information signal is divided up into a cyclically repeated number of groups to form in each case two information blocks of identical length. Each information block has an information word and a check word comprising in each case a specific number of data bits, the two check words of each group having different offset words superimposed on them. These offset words are used at the reception end to synchronize the information blocks.