Abstract

Improvement of an existing DAB transmission system, so that a higher net data rate can be achieved while maintaining the same system quality, or the same system quality can be achieved with a much lower signal-to-noise ratio on the receiver side at the same net data rate.

A symbol mapper (40) is connected directly downstream from a convolution encoder (30) instead of to the block generator (155), as in the case of the DAB system. A multi-stage channel encoder, to which the data substreams of a source data stream are distributed, is used. The source data stream is processed on the complex symbol level and not on the bit level, as in the case of known DAB systems.

(Figure 1)