

Abstract

Method and system for transmitting data in a communication system operating in the HF band comprising a link layer and a physical layer, said system comprising a transmitter and a receiver, said transmitter comprising at least one scheduler, the method is characterized in that it comprises a step of segmenting at least two data streams F_1, F_2 each of the streams having a service constraint, each being segmented into a plurality of data sub-blocks F_{jBi} , a step in which the data sub-blocks are transformed into a frame then a step of coding and interleaving the first frame TF_1 , and of the second frame TF_2 , producing sub-frames STF_{1c} , STF_{2c} , then generating a frame to be transmitted by mixing n sub-frames STF_{1c} of the data stream F_1 with m sub-frames STF_{2c} of the data stream F_2 .

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Figure 3 to be published