

ABSTRACT

SYSTEM AND METHOD FOR TRANSMITTING A LOW DENSITY PARITY CHECK SIGNAL

A system and method for transmitting LDPC parameters is provided. In the method, an initial number of OFDM symbols ($N_{\text{sym_init}}$) is determined for a packet that is based on the number of information bits to be delivered in the packet. An STBC value is also determined. A number of extra symbols ($N_{\text{sym_ext}}$) value is generated based on the $N_{\text{sym_init}}$ value, wherein a N_{sym} value is based on said $N_{\text{sym_init}}$ value and said $N_{\text{sym_ext}}$ value. An $N_{\text{ldpc_ext}}$ value is determined based on the STBC value and the $N_{\text{sym_ext}}$ value for purposes of determining LDPC parameters associated with the packet.

FIG. 2