

TECHNIQUES FOR MODULATING DATA USING SHORT BLOCK ENCODERS

ABSTRACT OF THE DISCLOSURE

[0057] Techniques are provided for applying modulation constraints to data streams using a short block encoder. A short block encoder encodes a subset of the bits in a data stream. Then, the even and odd interleaves in a data stream are separated into two data paths. A first modulation encoder encodes the even interleave according to a first modulation constraint. A second modulation encoder encodes the odd interleave according to a second modulation constraint, which in general coincides with the modulation constraint for even interleave.

Figure 1