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(54) **METHOD AND APPLICATION FOR PRODUCING INTERLEAVERS/DEINTERLEAVERS**

(57) A method and application for generating an interleaver or a de-interleaver are described. The method for generating interleaver includes: setting interleaving information of a base interleaver and/or de-interleaving information of a base de-interleaver, and respectively performing a cyclic shift transform on the interleaving information of the base interleaver so as to generate a plurality of different interleavers. Alternatively, the method for generating interleaver includes: deducing from the de-interleaving information to obtain the interleaving information of the base interleaver and performing the cyclic shift on the interleaving information obtained by deduction so as to generate a plurality of different interleavers. The method for realizing interleaving includes: inputting a data frame of each subscriber needed to be interleaved to the base interleaver and performing the cyclic shift on the data frame output by the base interleaver so as to realize interleaving, in which different subscribers correspond to different cyclic shifts. Alternatively, the method for realizing interleaving includes: performing the cyclic shift on the data frame of each subscriber to be interleaved and inputting the data frame after the cyclic shift to the base interleaver so as to realize interleaving, in which different subscribers correspond to different cyclic shifts.

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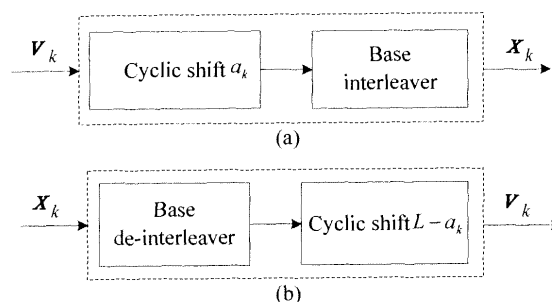


FIG. 6