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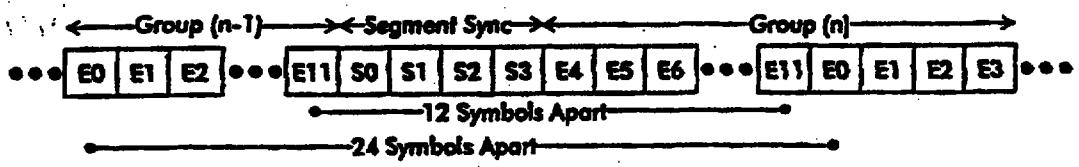
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(54) Title: APPARATUS FOR PROCESSING DATA ELEMENTS TO BE INSERTED INTO A FRAME



(57) Abstract

A first station encodes data as data symbols, rotates the data symbols so that data symbols corresponding to one another across sync portions of data segments of a frame are arranged to be processed together, and inserts the rotated data symbols into data portions of the data segments of the frame such that the frame has a plurality of data segments, wherein each data segment has a segment sync portion and a data portion. A second station processes the data symbols so that corresponding data symbols in a first set of data symbols are processed with a twelve data symbol delay and corresponding data symbols in a second set of data symbols are processed with a twenty-four data symbol delay depending upon the positions of the data symbols in relation to the sync portions.