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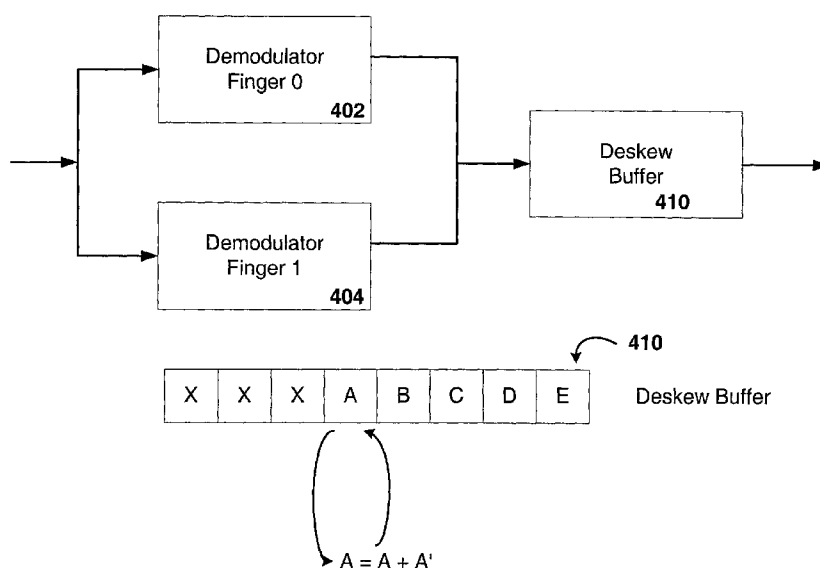
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(54) Title: SYSTEM AND METHOD OF DESKEW BUFFERING CDMA SIGNALS



(57) Abstract: A deskew buffer 410 arrangement in a CDMA receiver allows for accurate combining of symbols from a plurality of demodulator fingers, 402 and 404, without any symbol losses when the data rate is changed. A single deskew buffer 410 is coupled to a plurality of demodulator fingers, each of which demodulate an assigned multipath. The symbols are written into the deskew buffer 410 according to a PN count value modified by a predetermined bit pattern. The demodulator finger is able to demodulate a plurality of data rates corresponding to a plurality of Walsh lengths. Each data rate is assigned a corresponding deskew index. The PN count value represents an address within the deskew buffer 410. The lower bits of the PN count, where the number of bits corresponds to the deskew index, are truncated and replaced with the predetermined bit pattern. In one embodiment the predetermined bit pattern is all ones.



WO 02/043267 A3



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