Title (en)
METHOD FOR FRAME SYNCHRONIZATION IN A TIME MULTIPLEX SYSTEM

Title (de)
VERFAHREN ZUR RAHMENSYNCHRONISATION IN EINEM ZEITMULTIPLEXSYSTEM

Title (fr)
PROCEDE DE SYNCHRONISATION DE TRAME DANS UN SYSTEME A MULTIPLEXAGE DANS LE TEMPS

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Application
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Abstract (en)
[origin: DE19818514A1] The invention relates to frame synchronization by a time multiplex terminal (END), wherein the position of a synchronization word (syw) is detected in a received digital character string (df). In a synchronization area located in the vicinity of the expected position (SP0), the partial strings (srg) of the character string comprising the size of the synchronization word are compared character by character with a stored sample word (vrg). A comparison is considered to be positive when differences in character between the partial string (srg) and the sample word (vrg) no longer exist as determined by a error limit (fz). The synchronization area is obtained by combining at least two synchronization windows (SF1, SF2, SF3) having different sizes and/or position and their own error limit, that is used in a partial string comparison in the synchronization window. Alternatively, the comparison is evaluated by blocks and using block-related error limits for blocks assembled on the basis of successive characters of the partial string (srg).

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