



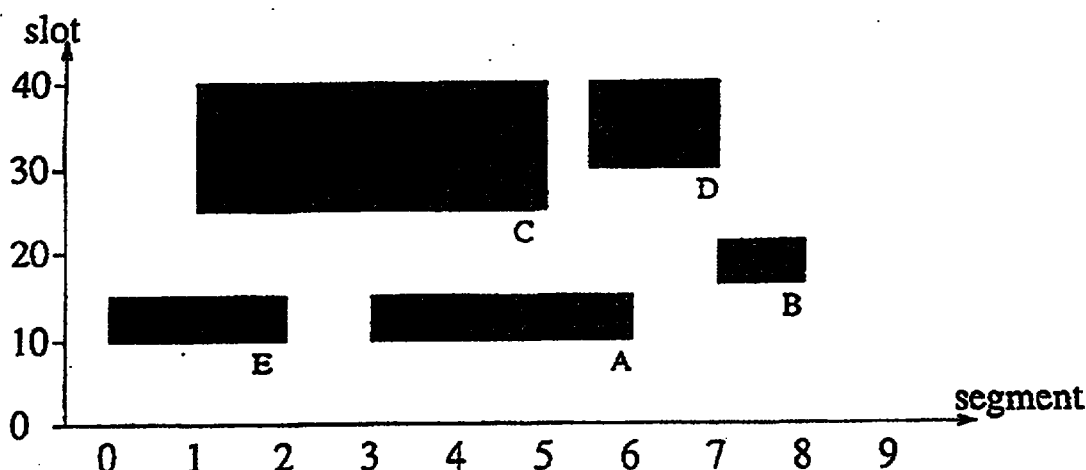
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(54) Title: METHOD AND ARRANGEMENT FOR SLOT REUSE IN A DYNAMIC SYNCHRONOUS TRANSFER MODE NETWORK ✓



(57) Abstract

The present invention relates to a slot reuse method and arrangement for increase of the throughput in a DTM (Dynamic Synchronous Transfer Mode) network. The slot reuse according to the invention comprises extending the DTM block token format to include parameters describing the segment(s) between source and destination node, reserving block token capacity only on the segment(s) between source and destination node, and enabling simultaneous transmissions in the same slot over disjointed segments of the network. The slot reuse can also comprise merging two or more segment-consecutive tokens, representing the same slot range, into a single token when existing in the free pool of a node.