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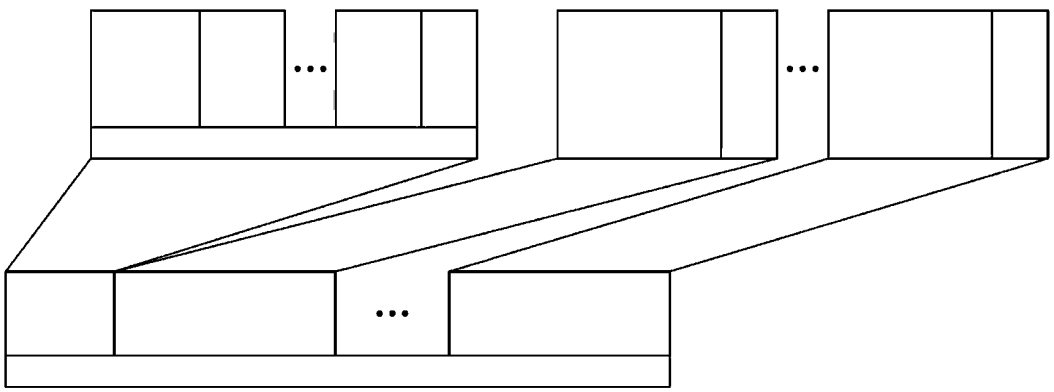
(54) INFORMATION PROCESSING APPARATUSES AND METHODS USED IN A WIRELESS COMMUNICATION SYSTEM

(57) A selective acknowledgement scheme is used in a wireless communication system. An information processing apparatus which obtains an aggregated data frame including a single common MAC header portion, a plurality of sub MAC headers, and a plurality of data units, analyzes the common MAC header portion to discriminate duration information specifying a time that elapses before completion of a transaction including the aggregated data unit, analyzes one of the sub MAC headers including length information for one of the data units, identifies the one data unit, and sends reception acknowledgement information including a first sequence number of obtained data units and bit map information which maps reception confirmation information based on a sequence number included in the aggregated data unit. The bit map information specifies relative positions of the obtained data units to the first sequence number.

FIG 3



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