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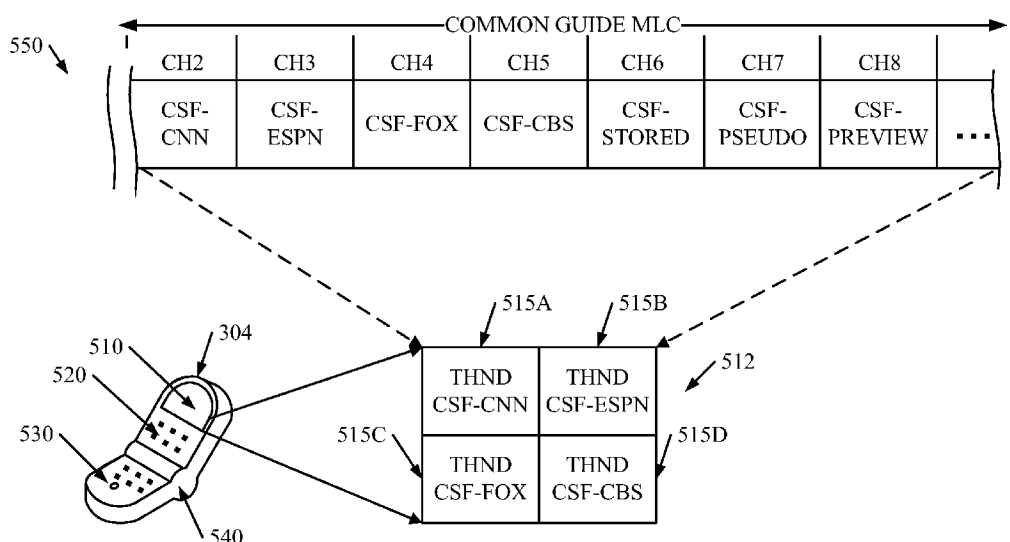
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(54) Title: SYSTEMS AND METHODS FOR APPLICATIONS USING CHANNEL SWITCH FRAMES



(57) Abstract: Techniques for video encoding and decoding a common guide media logic channel (MLC) to enable fast acquisition and re/synchronization of the video stream while preserving compression efficiency are provided. Systems and methods to process multimedia data using channel switch frames are presented. The system comprises an encoder operative to generate a common guide media logical channel (MLC) of a plurality of channel switch frames (CSFs), each respective active channel having one or more CSFs in the guide MLC. The decoder in the system is operative to decode a set of the plurality of CSFs from the guide MLC. The decoder simultaneously displays programming content of the decoded set of the plurality of CSFs on a display and automatically switches to a primary bitstream of an active channel associated with a selected one displayed CSF.



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