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(54) Title: METHOD AND APPARATUS FOR VIDEO ENCODING AND DECODING WITH PARTIALLY SHARED LUMA
AND CHROMA CODING TREES

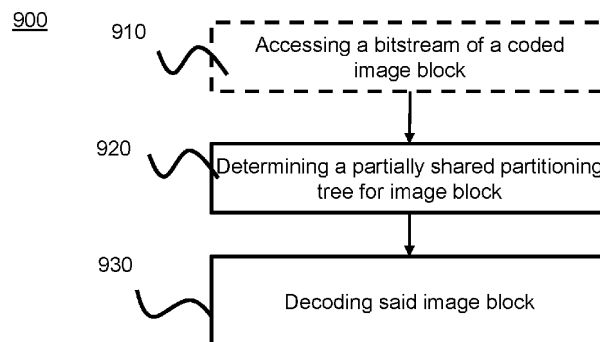


Figure 9

(57) Abstract: Different implementations are described, particularly implementations for video encoding and decoding based on where-
in the partitioning tree structure is partially shared between luma and chroma blocks are presented. According to an implementation, a
single partitioning tree structure is shared between luma and chroma blocks from a root node of the partitioning tree down to a switching
node and a dual partitioning tree structure is determined for luma and chroma blocks from the switching node down to a leaf node of
the partitioning tree. Thus, this implementation optimizes the coding efficiency by allowing separated trees for smaller blocks, while
limiting the complexity of decoding pipeline.

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