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(54) Title: TEMPLATE-BASED SYNTAX ELEMENT PREDICTION

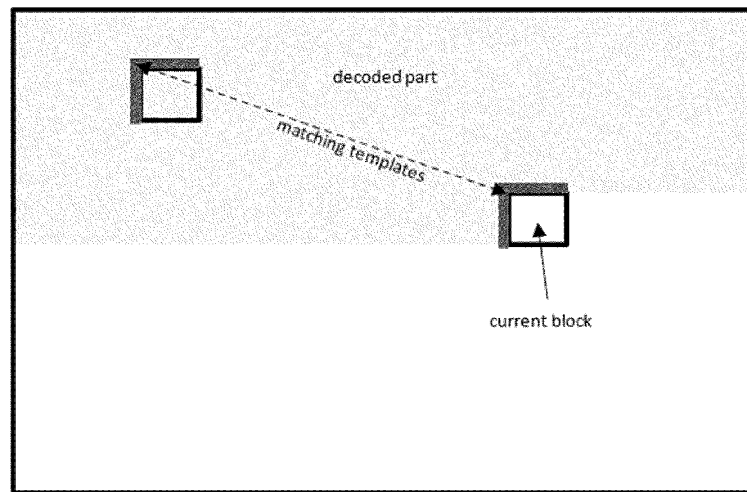


FIG. 6

(57) **Abstract:** Systems, methods, and instrumentalities are disclosed herein for signaling of syntax elements. The syntax elements values for a block may be inferred, derived, and/or predicted from previously coded blocks (e.g., previously decoded blocks or previously encoded blocks), whose template pixels (e.g., L-shaped pixels that surround the blocks) match the current block template pixels. In examples, a video decoder or encoder may determine whether a template-based coding mode may be enabled for a current block. Based on the determination of the template-based coding mode being enabled for the current block, a neighboring block may be identified based on template sample values of the identified neighboring block and template sample values of the current block. A value of a syntax element of the current block may be obtained based on the identified neighboring block. The current block may be decoded or encoded based on the value of the syntax element.

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