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(54) **Title:** JOINT CODING FOR ADAPTIVE MOTION VECTOR DIFFERENCE RESOLUTION

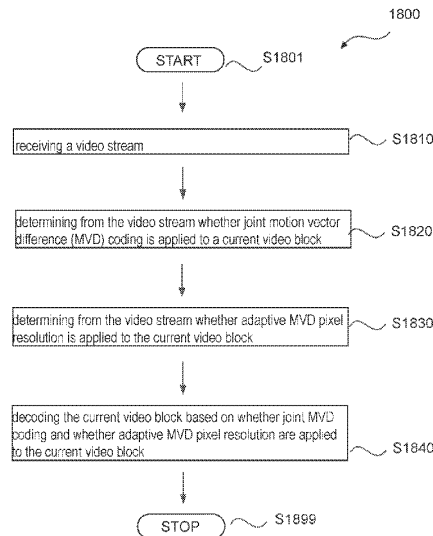


FIG. 18

(57) **Abstract:** This disclosure relates generally to video coding and particularly to methods and systems for providing signaling schemes for jointly coding of motion vector difference with adaptive resolution in compound-reference inter-prediction. An example method for processing a current video block of a video stream is disclosed. The method includes receiving the video stream; determining from the video stream whether joint motion vector difference (MVD) coding is applied to the current video block; determining from the video stream whether adaptive MVD pixel resolution is applied to the current video block; and decoding the current video block based on whether joint MVD coding and whether adaptive MVD pixel resolution are applied to the current video block.

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