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(54) **Title:** METHOD AND APPARATUS FOR VIDEO CODING

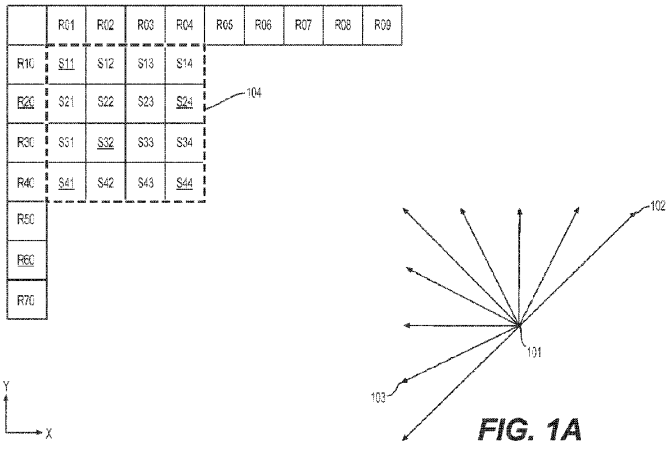

FIG. 1A
(Related Art)

(57) **Abstract:** Aspects of the disclosure include methods, apparatuses, and non-transitory computer-readable storage mediums for video encoding/decoding. An apparatus includes processing circuitry that determines an offset of a quantization parameter for a chroma component of a coding region based on one of (i) a pixel value range of the chroma component, (ii) a complexity level of the chroma component, or (iii) a noise level of the chroma component. The processing circuitry performs a quantization process on a transform coefficient of the coding region based on the quantization parameter and the determined offset. The processing circuitry generates a video bitstream that includes the quantized transform coefficient.

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