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- (81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL,

(54) **Title:** COEFFICIENT ENCODING/DECODING METHOD, ENCODER, DECODER, AND COMPUTER STORAGE MEDIUM

(54) 发明名称: 系数编解码方法、编码器、解码器以及计算机存储介质

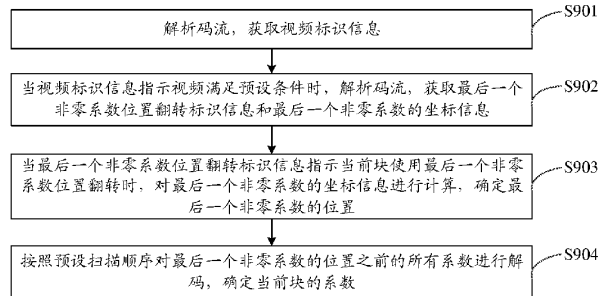


图 9

- S901 Analyze a code stream to obtain video identifier information
- S902 When the video identifier information indicates that a video satisfies a preset condition, analyze the code stream to obtain last non-zero coefficient position flip identifier information and coordinate information of the last non-zero coefficient
- S903 When the last non-zero coefficient position flip identifier information indicates that last non-zero coefficient position flip is performed in the current block, calculate the coordinate information of the last non-zero coefficient to determine the position of the last non-zero coefficient
- S904 Decode all coefficients before the position of the last non-zero coefficient according to a preset scanning sequence to determine the coefficient of the current block

(57) **Abstract:** Disclosed in embodiments of the present application are a coefficient encoding/decoding method, an encoder, a decoder, and a computer storage medium. The method comprises: analyzing a code stream to obtain video identifier information; when the video identifier information indicates that a video satisfies a preset condition, analyzing the code stream to obtain last non-zero coefficient position flip identifier information and coordinate information of the last non-zero coefficient; when the last non-zero coefficient position flip identifier information indicates performing last non-zero coefficient position flip, calculating the coordinate information of the last

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ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, WS, ZA, ZM, ZW。

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non-zero coefficient to determine the position of the last non-zero coefficient; and decoding all coefficients before the position of the last non-zero coefficient according to a preset scanning sequence to determine the coefficient of the current block. In this way, in a high-bit-width, high-code-rate, high-quality, or lossless video encoding/decoding scenario, the throughput of coefficient encoding and the encoding/decoding speed are improved, and the compression efficiency is also improved.

(57) 摘要: 本申请实施例公开了一种系数编解码方法、编码器、解码器以及计算机存储介质, 该方法包括: 解析码流, 获取视频标识信息; 当视频标识信息指示视频满足预设条件时, 解析码流, 获取最后一个非零系数位置翻转标识信息和最后一个非零系数的坐标信息; 当最后一个非零系数位置翻转标识信息指示使用最后一个非零系数位置翻转时, 对最后一个非零系数的坐标信息进行计算, 确定最后一个非零系数的位置; 按照预设扫描顺序对最后一个非零系数的位置之前的所有系数进行解码, 确定当前块的系数。这样, 在高位宽、高码率、高质量或无损的视频编解码场景中, 不仅提高了系数编码的吞吐量和编解码速度, 还提升了压缩效率。