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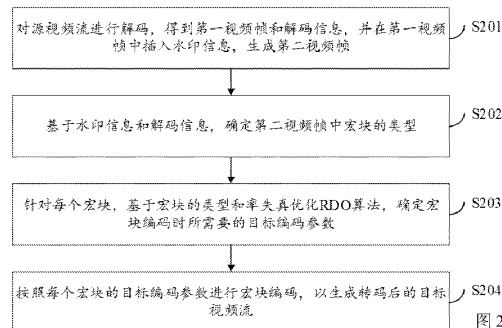
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(54) Title: VIDEO TRANSCODING METHOD AND APPARATUS, AND ELECTRONIC DEVICE AND STORAGE MEDIUM

(54) 发明名称: 视频的转码方法、装置、电子设备及存储介质



S201 Decode a source video stream to obtain a first video frame and decoding information, and insert watermark information into the first video frame to generate a second video frame
S202 Determine the type of a macro block in the second video frame on the basis of the watermark information and the decoding information
S203 For each macro block, on the basis of the type of the macro block and a rate distortion optimization (RDO) algorithm, determine a target coding parameter which is required when the macro block is coded
S204 Perform macro block coding according to the target coding parameter of each macro block, so as to generate a transcoded target video stream

(57) Abstract: The present application provides a video transcoding method and apparatus, and an electronic device and a storage medium. The method comprises: decoding a source video stream to obtain a first video frame and decoding information, and inserting watermark information into the first video frame to generate a second video frame; determining the type of a macro block in the second video frame on the basis of the watermark information and the decoding information; for each macro block, on the basis of the type of the macro block and a rate distortion optimization (RDO) algorithm, determining a target coding parameter which is required when

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the macro block is coded; and performing macro block coding according to the target coding parameter of each macro block, so as to generate a transcoded target video stream.

(57) 摘要: 本申请提出一种视频的转码方法、装置、电子设备及存储介质, 该方法包括: 对源视频流进行解码, 得到第一视频帧和解码信息, 并在第一视频帧中插入水印信息, 生成第二视频帧; 基于水印信息和解码信息, 确定第二视频帧中宏块的类型; 针对每个宏块, 基于宏块的类型和率失真优化RDO算法, 确定宏块编码时所需要的目标编码参数; 按照每个宏块的目标编码参数进行宏块编码, 以生成转码后的目标视频流。