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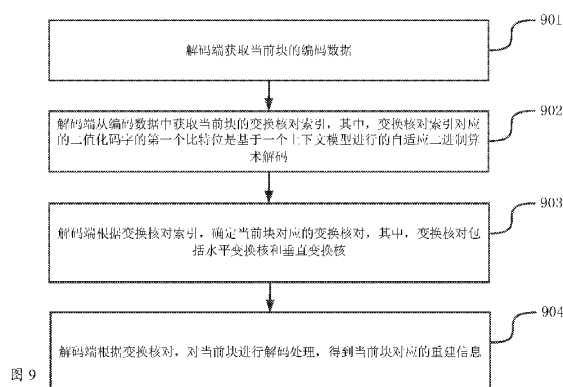
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201910177580.4 2019年3月9日 (09.03.2019) CN
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- (81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

(54) Title: METHODS FOR PERFORMING ENCODING AND DECODING, DECODING END AND ENCODING END

(54) 发明名称: 进行编码和解码的方法、解码端和编码端



901 A DECODING END ACQUIRES ENCODED DATA OF A CURRENT BLOCK

902 THE DECODING END ACQUIRES, FROM THE ENCODED DATA, AN INDEX OF A TRANSFORM KERNEL PAIR ASSOCIATED WITH THE CURRENT BLOCK, WHEREIN ADAPTIVE BINARY ARITHMETIC DECODING IS PERFORMED ON A FIRST BIT OF A BINARIZED CODEWORD CORRESPONDING TO THE INDEX OF THE TRANSFORM KERNEL PAIR ON THE BASIS OF A CONTEXT MODEL

903 THE DECODING END DETERMINES THE TRANSFORM KERNEL PAIR CORRESPONDING TO THE CURRENT BLOCK ACCORDING TO THE INDEX OF THE TRANSFORM KERNEL PAIR, WHEREIN THE TRANSFORM KERNEL PAIR COMPRISES A HORIZONTAL TRANSFORM KERNEL AND A VERTICAL TRANSFORM KERNEL

904 THE DECODING END PERFORMS DECODING OF THE CURRENT BLOCK ACCORDING TO THE TRANSFORM KERNEL PAIR TO OBTAIN RECONSTRUCTED INFORMATION CORRESPONDING TO THE CURRENT BLOCK

(57) Abstract: The present disclosure relates to the field of audio and video techniques. Provided are methods for performing encoding and decoding, a decoding end and an encoding end. The method comprises: acquiring encoded data of a current block; acquiring, from the encoded data, an index of a transform kernel pair associated with the current block, wherein adaptive binary arithmetic decoding is performed on a first bit of a binarized codeword corresponding to the index of the transform kernel pair on the basis of a context model; and determining the transform kernel pair corresponding to the current block according to the index of the transform kernel

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pair, wherein the transform kernel pair comprises a horizontal transform kernel and a vertical transform kernel. The present disclosure facilitates enhancing encoding and decoding performance.

(57) 摘要: 本公开提供了一种进行编码和解码的方法、解码端和编码端, 属于音视频技术领域。该方法包括: 获取当前块的编码数据; 从编码数据中获取当前块的变换核对索引, 其中, 变换核对索引对应的二值化码字的第一个比特位是基于一个上下文模型进行的自适应二进制算术解码; 根据变换核对索引, 确定当前块对应的变换核对, 其中, 该变换核对包括水平变换核和垂直变换核。采用本公开, 可以提升编解码的性能。