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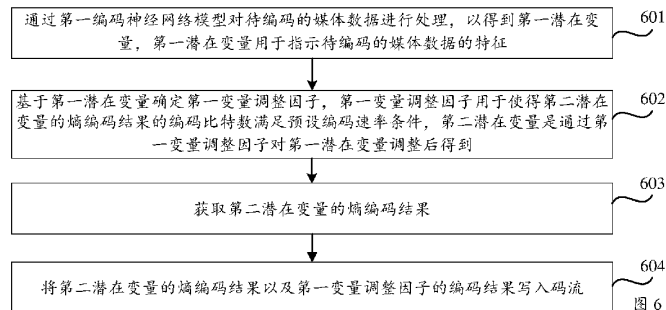
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(81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU,

(54) Title: ENCODING METHOD AND APPARATUS, DECODING METHOD AND APPARATUS, DEVICE, STORAGE MEDIUM AND COMPUTER PROGRAM

(54) 发明名称: 编解码方法、装置、设备、存储介质及计算机程序



601 Process, by means of a first encoding neural network model, media data to be encoded, so as to obtain a first latent variable, wherein the first latent variable is used for indicating a feature of said media data

602 Determine a first variable adjustment factor on the basis of the first latent variable, wherein the first variable adjustment factor is used for making the number of encoded bits of an entropy encoding result of a second latent variable meet a preset encoding rate condition, and the second latent variable is obtained after the first latent variable is adjusted by means of the first variable adjustment factor

603 Acquire the entropy encoding result of the second latent variable

604 Write the entropy encoding result of the second latent variable and an encoding result of the first variable adjustment factor into a code stream

(57) Abstract: Disclosed in the embodiments of the present application are an encoding method and apparatus, a decoding method and apparatus, a device, a storage medium and a computer program, which belong to the technical field of encoding and decoding. In the method, a first latent variable is adjusted by means of a first variable adjustment factor to obtain a second latent variable, and the number of encoded bits of an entropy encoding result of the second latent variable meets a preset encoding rate condition. In this way, it can be ensured that the numbers of encoded bits of entropy encoding results of latent variables corresponding to media data frames can

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all meet the preset encoding rate condition, that is, it can be ensured that the numbers of encoded bits of the entropy encoding results of the latent variables corresponding to the media data frames are substantially kept consistent rather than dynamically changing, thereby satisfying the requirement of an encoder for a stable encoding rate.

(57) 摘要: 本申请实施例公开了一种编解码方法、装置、设备、存储介质及计算机程序, 属于编解码技术领域。在该方法中, 通过第一变量调整因子对第一潜在变量进行调整, 得到第二潜在变量, 而且第二潜在变量的熵编码结果的编码比特数满足预设编码速率条件, 这样可以保证每帧媒体数据对应的潜在变量的熵编码结果的编码比特数均能够满足预设编码速率条件, 也即是, 可以保证每帧媒体数据对应的潜在变量的熵编码结果的编码比特数基本保持一致, 而不是动态变化的, 从而满足了编码器对稳定编码速率的需求。