DESCRIPTION

Title of the Invention:

Decoder, Encoder, Decoding Method, And Encoding Method

Field of the Invention

[0001] The present disclosure relates to a decoder, an encoder, a decoding method, and an encoding method.

Background Art

[0002] WO2023/050431 discloses a determination method for a computing capability resource related to the background art. A control node includes at least one of a terminal side computing capability control node and a network side computing capability control node. The control node receives first information indicating resource information of a computing capability available to the terminal side computing capability control node. The control node determines context information of the computing capability resource based on the first information.

Summary of the Invention

[0004] Embodiments of the present disclosure improve execution accuracy of task processing.

[0005] According to a first aspect of the present disclosure, there is provided a decoder including: circuitry and a memory connected to the circuitry, in which the circuitry, in operation, decodes, from a bitstream, an image and an identifier associated with the image, the identifier indicating at least one of (i) the image being suitable for task processing corresponding to the identifier and (ii) the image being not suitable for the task processing.

[0005a] According to a second aspect of the present disclosure, there is provided an encoder including: circuitry; and a memory connected to the circuitry, wherein the circuitry, in operation: encodes, to a bitstream, an image and an identifier associated with the image, the identifier indicating at least one of (i) the image being suitable for task processing corresponding to the identifier and (ii) the image being not suitable for the task processing.

[0005b] According to a third aspect of the present disclosure, there is provided a decoding method including: by a decoder, decoding, from a bitstream, an image and an identifier associated with the image, the identifier indicating at least one of (i) the image being suitable for task processing corresponding to the identifier and (ii) the image being not suitable for the task processing.

[0005c] According to a fourth aspect of the present disclosure, there is provided an encoding method including: by an encoder, encoding, to a bitstream, an image and an identifier associated with the image, the identifier indicating at least one of (i) the image being suitable for task processing corresponding to the identifier and (ii) the image being not suitable for the task processing.

Brief Description of the Drawings

[0006] Fig. 1 is a view illustrating a simplified configuration of an image processing system according to an embodiment of the present disclosure.

Fig. 2 is a view illustrating a simplified configuration of circuitry included in an encoder.

Fig. 3 is a flowchart showing processing executed by circuitry included in an encoder.

Fig. 4 is a view illustrating a first example of image analysis by a setting unit.

Fig. 5 is a view illustrating a second example of image analysis by a setting unit.

Fig. 6 is a view illustrating a third example of image analysis by a setting unit.

Fig. 7 is a view illustrating image data and identifier data.