ABSTRACT

VIDEO PREDICTIVE ENCODING DEVICE, VIDEO PREDICTIVE ENCODING METHOD, VIDEO PREDICTIVE ENCODING PROGRAM, VIDEO PREDICTIVE DECODING DEVICE, VIDEO PREDICTIVE DECODING METHOD, AND VIDEO PREDICTIVE DECODING PROGRAM

A NAL unit header in the conventional method is inefficient, even in cases where a value of nal_ref_flag is uniquely determined according to a value of nal_unit_type, since respective bits are assigned to nal_ref_flag and nal_unit_type. A solution to this problem is a video predictive encoding device provided with an input device to input pictures forming a video sequence, and an encoding unit to encode the pictures by either intra prediction or inter prediction to generate compressed picture data, and to packetize the compressed image data along with packet header information. The packet header information contains a picture type, and wherein the encoding unit determines the picture type so as to uniquely indicate whether encoded picture data is used for reference in decoding of another picture. Reference should be made to Fig. 1.

Fig. 1

ABSTRACT

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