ABSTRACT

MOVING IMAGE PREDICTION ENCODING DEVICE, MOVING IMAGE PREDICTION ENCODING METHOD, MOVING IMAGE PREDICTION ENCODING PROGRAM, MOVING IMAGE PREDICTION DECODING DEVICE, MOVING IMAGE PREDICTION DECODING METHOD, AND MOVING IMAGE PREDICTION DECODING PROGRAM

A video predictive encoding device is provided with an encoding device which encodes each of a plurality of input pictures to generate compressed picture data including a random access picture, and which encodes data about display order information of each picture; a restoration device which decodes the compressed picture data to restore a reproduced picture; a picture storage device which stores the reproduced picture as a reference picture; and a memory management device which controls the picture storage device. Following completion of an encoding process of generating the random access picture, the memory management device refreshes the picture storage device by setting every reference picture in the picture storage device, except for the random access picture, as unnecessary immediately before or immediately after encoding a picture with display order information larger than the display order information of the random access picture.

Figure 1