ABSTRACT

Disclosed are a method, an apparatus, and a device for coding a video based on a long-term reference frame, and a storage medium. The method includes: setting a long-term reference frame according to attribute information of an image frame; determining a reference index of a to-be-coded image frame based on a normal reference frame and the long-term reference frame; and acquiring a target matching block by performing inter prediction based on the reference index, so as to achieve coding of the to-be-coded image frame; wherein setting the long-term reference frame according to the attribute information of the image frame includes: setting the long-term reference frame based on a degree of redundancy in a time domain and a degree of redundancy in a spatial domain of the image frame.

Fig. 1