

DATA PROCESSING METHOD AND APPARATUS FOR IMMERSIVE MEDIA, AND RELATED DEVICE AND STORAGE MEDIUM

ABSTRACT

Embodiments of the present application disclose a data processing method and apparatus for immersive media, and a device and a storage medium. The immersive media is composed of images captured by N cameras at different viewing angles; the immersive media is encapsulated in M tracks; an image from at least one camera is encapsulated in one track, and N and M are both integers greater than 1. The method comprises: obtaining a free viewing angle information data box corresponding to an ith track of the immersive media, the free viewing angle information data box comprising viewing angle information corresponding to the ith track (S401), and i being an integer greater than or equal to 1 and less than or equal to M; and decoding, according to the viewing angle information in the free viewing angle information data box, an image encapsulated in the ith track (S402). By using the embodiments of the present application, a content consumption device may select an appropriate image to perform decoding consumption according to the viewing angle information in each track and the current user position.

Figure 4