

ABSTRACT

A hand key point detection method, a gesture recognition method, and related devices. The hand key point detection method comprises: obtaining a hand image under detection (S101); inputting the hand image into a pre-trained thermodynamic diagram model to obtain a thermodynamic diagram of hand key points, the thermodynamic diagram comprising two-dimensional coordinates of the hand key points (S102); inputting the thermodynamic diagram and the hand image into a pre-trained three-dimensional information prediction model to obtain hand structured connection information (S103); and determining three-dimensional coordinates of the hand key points in the world coordinate system according to the hand structured connection information and the two-dimensional coordinates in the thermodynamic diagram (S104).

Fig. 1