

## **ABSTRACT**

An adaptive rigid prior model training method, a face tracking method, and related apparatuses. The training method comprises: initializing a model parameter of an adaptive rigid prior model, wherein the model parameter is a function using the face size as an independent variable; the adaptive rigid prior model is used for outputting a weight of each face region when a face is of different sizes (S101); performing face tracking on training video data according to the adaptive rigid prior model to obtain multiple frames of face data of the same face (S102); updating the model parameter according to the multiple frames of face data (S103); determining whether a condition of stopping updating the model parameter is reached (S104); and stopping updating the model parameter of the adaptive rigid prior model on the basis of the determination result that the condition of stopping updating the model parameter is reached to obtain the final adaptive rigid prior model (S105).

FIG. 1