

ABSTRACT

Embodiments of the present application provide a palmprint image generation method and apparatus, a device, a storage medium, and a program product. The method comprises: determining a plurality of control points on the basis of a predetermined palmprint curve template, and generating a Bézier curve on the basis of the plurality of control points; on the basis of the Bézier curve, generating a palm crease energy map having crease information, the palm crease energy map comprising a palm crease having a crease distribution same as that of the Bézier curve and a crease type different from that of the Bézier curve, wherein the crease type is used for describing the crease information and corresponds to crease direction energy of each pixel on the palm crease; and on the basis of the palm crease energy map, generating a photorealistic palmprint image having detailed texture information.

FIG. 2