Phase Matching to Identify a Finger

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ABSTRACT

As one wants to extract the finger images, first, one needs to locate the finger valleys of hand; next, by the positions of finger valleys, one can extract the fingers. As the fingers are scaled to the larger sizes, one can process them easier. Therefore, the fingers are scaled to the larger sizes. Furthermore, for easier to compare whether the two fingers are coming from the same sources, the fingers are placed in the centroids of image frames. In order to perform the comparison of two thumbs, the mid-matching pattern image needs to be generated. For performing thumb comparison, the two thumbs must place the same location and same orientation. When the two thumbs are coming from the same source, the matching image would be the brightest. Otherwise, it would be darker. By the brightness and darkness of the matching image, one can judge whether the two images are coming from the same source.

Keywords: Shape information, shape phase matching, identification intelligence.

REFERENCES

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