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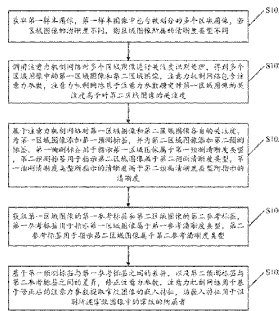
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(54) Title: IMAGE PROCESSING METHOD AND APPARATUS, DEVICE, AND MEDIUM

(54) 发明名称: 图像处理方法、装置、设备和介质



- S101 Acquire a first sample image, wherein the first sample image comprises a plurality of regional images obtained through division, and if regional images have different definition, the regional images are of different definition types
- S102 Call an attention mechanism network to perform attention degree identification processing on the plurality of regional images to obtain a first regional image and a second regional image among the plurality of regional images, wherein the attention mechanism network comprises an attention parameter, and on the basis of the attention parameter, the attention mechanism network determines that an attention degree of the first regional image is higher than an attention degree of the second regional image
- S103 On the basis of the attention degree of the first regional image and the attention degree of the second regional image determined by the attention mechanism network, add a first predicted label to the first regional image, and add a second predicted label to the second regional image, wherein the first predicted label is used for indicating that the first regional image is of a first predicted definition type, the second predicted label is used for indicating that the second regional image is of a second predicted definition type, and definition indicated by the first predicted definition type is higher than definition indicated by the second predicted definition type
- S104 Acquire a first reference label of the first regional image and a second reference label of the second regional image, wherein the first reference label is used for indicating that the first regional image is of a first reference definition type, and the second reference label is used for indicating that the second regional image is of a second reference definition type
- S105 Correct the attention parameter on the basis of the difference between the first predicted label and the first reference label and the difference between the second predicted label and the second reference label, wherein the attention mechanism network is used for extracting an embedded feature of a palmprint image on the basis of the corrected attention parameter, and the embedded feature is used for identifying an owner of a palmprint in the palmprint image

(57) Abstract: The present application discloses an image processing method and apparatus, a device, and a medium. The method comprises: acquiring a first sample image comprising a plurality of regional images; calling an attention mechanism network to identify a first regional image and a second regional image with different attention degrees among the plurality of regional images on the basis of an attention parameter; adding a first predicted label to the first regional image, and adding a second predicted label to the second regional image, wherein the first predicted label and the second predicted label are used for indicating different image definition; acquiring a first reference label of the first regional image and a second reference label of the second regional image; and correcting the attention parameter on the basis of the difference between the first predicted label and the first reference label and the difference between the second predicted label and the second reference label, wherein the corrected attention parameter is used for extracting an embedded feature for classification of a palmprint image. Use of the present application can improve the accuracy of extraction of embedded features of palmprint images and the accuracy of classification of palmprint images.

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CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN,
TD, TG)。

本国际公布:
— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本申请公开了一种图像处理方法、装置、设备和介质, 该方法包括: 获取包含多个区域图像的第一样本图像; 调用注意力机制网络基于注意力参数识别多个区域图像中关注度不同的第一区域图像和第二区域图像; 为第一区域图像添加第一预测标签, 为第二区域图像添加第二预测标签; 第一预测标签和第二预测标签用于指示不同的图像清晰度; 获取第一区域图像的第一参考标签和第二区域图像的第二参考标签; 基于第一预测标签与第一参考标签的差异、第二预测标签与第二参考标签的差异修正注意力参数; 修正后的注意力参数用于提取对掌纹图像进行分类处理的嵌入特征。采用本申请, 可提高提取掌纹图像的嵌入特征的准确性及对掌纹图像进行分类处理的准确性。