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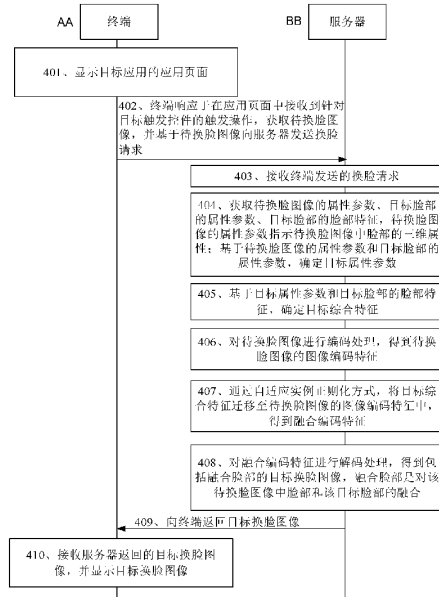
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(54) Title: IMAGE PROCESSING METHOD AND APPARATUS, COMPUTER DEVICE, COMPUTER-READABLE STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT

(54) 发明名称: 图像处理方法、装置、计算机设备、计算机可读存储介质及计算机程序产品



401 Display an application page of a target application

402 In response to a trigger operation for a target trigger control received in the application page, a terminal acquires an image to be subjected to face swapping, and sends a face swapping request to a server on the basis of said image

403 Receive the face swapping request sent by the terminal

404 Acquire an attribute parameter of said image, an attribute parameter of a target face and a face feature of the target face, the attribute parameter of said image indicating a three-dimensional attribute of a face in said image, determine a target attribute parameter on the basis of the attribute parameter of said image and the attribute parameter of the target face

405 Determine a target comprehensive feature on the basis of the target attribute parameter and the face feature of the target face

406 Encode said image to obtain an image encoding feature of said image

407 Migrate the target comprehensive feature into the image encoding feature of said image in an adaptive instance regularization mode to obtain a fused encoding feature

408 Decode the fused encoding feature to obtain a target face-swapped image comprising a fused face, the fused face being a fusion of the face in the image to be subjected to face swapping and the target face

409 Return the target face-swapped image to the terminal

410 Receive the target face-swapped image returned by the server, and display the target face-swapped image

AA Terminal

BB Server

图 4

(57) Abstract: Embodiments of the present application relate to the fields of artificial intelligence, computer vision, maps and intelligent transportation, and provide an image processing method and apparatus, a computer device, a computer-readable storage medium, and a computer program product. The method comprises: receiving a face swapping request; acquiring an attribute parameter of an image to be subjected to face swapping, an attribute parameter of a target face and a face feature of the target face, the attribute parameter of

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said image indicating a three-dimensional attribute of a face in said image; determining a target attribute parameter on the basis of the attribute parameter of said image and the attribute parameter of the target face; determining a target comprehensive feature on the basis of the target attribute parameter and the face feature of the target face; encoding said image to obtain an image encoding feature of said image; migrating the target comprehensive feature into the image encoding feature of said image in a regularization mode to obtain a fused encoding feature; and decoding the fused encoding feature to obtain a target face-swapped image comprising a fused face.

(57) 摘要: 本申请实施例提供一种图像处理方法、装置、计算机设备、计算机可读存储介质及计算机程序产品, 涉及人工智能、计算机视觉、地图、智慧交通领域。接收换脸请求; 获取待换脸图像的属性参数、目标脸部的属性参数、目标脸部的脸部特征, 待换脸图像的属性参数指示待换脸图像中脸部的三维属性; 基于待换脸图像的属性参数和目标脸部的属性参数, 确定目标属性参数; 基于目标属性参数和目标脸部的脸部特征, 确定目标综合特征; 对待换脸图像进行编码处理, 得到待换脸图像的图像编码特征; 通过正则化方式, 将目标综合特征迁移至待换脸图像的图像编码特征中, 得到融合编码特征; 对融合编码特征进行解码处理, 得到包括融合脸部的目标换脸图像。