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(81) 指定国(除另有指明, 要求每一种可提供的国家
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(54) Title: CLOUD DESKTOP IMAGE PROCESSING METHOD, IMAGE PROCESSING METHOD, DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 云桌面图像的处理方法和图像处理方法、设备及存储介质

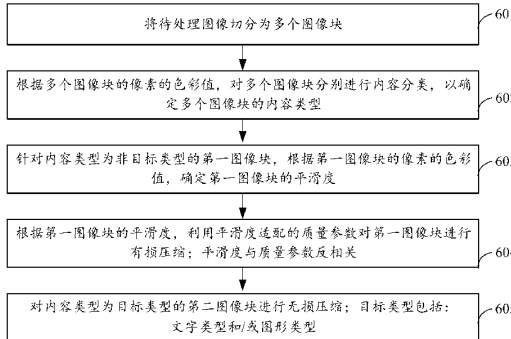


图 6

- 601 Segment an image to be processed into a plurality of image blocks
602 According to color values of pixels of the plurality of image blocks, perform content classification on the plurality of image blocks to determine content types of the plurality of image blocks
603 For a first image block of which the content type is the non-target type, determine the smoothness of the first image block according to color values of pixels of the first image block
604 According to the smoothness of the first image block, use quality parameters adapted for the smoothness to perform lossy compression on the first image block, the smoothness being inversely correlated with the quality parameters
605 Perform lossless compression on a second image block of which the content type is the target type, the target type comprising text type and/or graphic type

(57) Abstract: Provided in the embodiments of the present application are a cloud desktop image processing method, an image processing method, a device, and a storage medium. In the present application, the cloud desktop image processing method comprises: segmenting a cloud desktop image into a plurality of image blocks, and, according to color values of pixels of the image blocks, performing content classification on the image blocks; performing lossless compression on image blocks of the target type to ensure the display quality of the image blocks of the target type; and, according to the smoothness of image blocks of the non-target type, using

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根据细则4.17的声明:

- 关于申请人有权要求在先申请的优先权(细则4.17(iii))

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quality parameters adapted for the smoothness to perform lossy compression on the image blocks of the non-target type, so as to reduce the size of compressed data on the basis of ensuring the display quality of the image blocks. Therefore, the present application uses different image compression modes for processing image blocks of different content types, so as to make compression rates of different areas to be matched with the content of the respective areas, thus considering both the picture display quality and the size of compressed data of different areas of images, and further considering both the picture display quality and the network transmission bandwidth of cloud desktops.

(57) 摘要: 本申请实施例提供一种云桌面图像的处理方法和图像处理方法、设备及存储介质。在本申请中, 将云桌面图像切分为多个图像块, 并根据图像块的像素的色彩值, 对图像块进行内容分类; 对目标类型的图像块进行无损压缩, 保证目标类型的图像块的显示质量; 根据非目标类型的图像块的平滑度, 利用平滑度适配的质量参数对非目标类型的图像块进行有损压缩, 可在保证图像块的显示质量的基础上降低压缩后数据量大小。因此, 本申请对于内容类型不同的图像块采用不同的图像压缩方式进行处理, 使得不同区域的压缩率与该区域的内容相适应, 可兼顾图像的不同区域的画面显示质量和压缩后数据量大小, 进而兼顾云桌面的画面显示质量和网络传输带宽。