

METHODS AND APPARATUSES FOR EVALUATING IMAGE ANONYMIZATION PERFORMANCE

ABSTRACT

Embodiments of this specification provide a method and an apparatus for
5 evaluating image anonymization performance. When image anonymization
performance is evaluated, a first privacy protection evaluation value is determined by
using anonymized image data, and a second privacy protection evaluation value is
determined by using reconstructed image data. Then, the anonymized image data and
the original image data are separately provided to an image data application model to
10 determine respective image application processing results. In addition, an image
application evaluation value is determined based on respective image application
processing results of the anonymized image data and the original image data.
Subsequently, an evaluation value of image anonymization performance of the
anonymized image data is determined based on the first privacy protection evaluation
15 value, the second privacy protection evaluation value, and the image application
evaluation value.

Figure 2