

**IMAGE DATA PROCESSING METHOD, IMAGE DATA
RECOGNITION METHOD, TRAINING METHOD FOR IMAGE
RECOGNITION MODEL, IMAGE DATA PROCESSING APPARATUS,
TRAINING APPARATUS FOR IMAGE RECOGNITION MODEL, AND
IMAGE RECOGNITION APPARATUS**

ABSTRACT OF THE SPECIFICATION

Implementations of the present specification provide an image data processing method, an image
data recognition method, a training method for an image recognition model, an image data processing
apparatus, an image data recognition apparatus, and a training apparatus for an image recognition
model. During image data processing, data anonymization processing is performed on image data
based on frequency domain transform to obtain anonymized image data of the image data. The
obtained anonymized image data includes a subgraph data set. Each subgraph data in the subgraph
data set corresponds to a different frequency. Then, image blending processing is performed on the
obtained anonymized image data based on data augmentation, to obtain augmented anonymized
image data. In some implementations, graph size alignment processing is performed on each subgraph
data in the augmented anonymized image data, so that a size of each subgraph data after the graph
size alignment processing is same as a size of the image data in original form.

Figure 2