

**TITLE OF INVENTION: METHOD AND APPARATUS FOR IMAGE
SUPER-RESOLUTION PROCESSING, AND ELECTRONIC DEVICE**

Abstract

The present application relates to the field of image processing technologies, and discloses a method and apparatus for image super-resolution processing, and an electronic device, and adaptive super-resolution processing can be performed on different regions of the image, so that processing accuracy of image super-resolution is improved. The method includes: obtaining a to-be-processed image; predicting a n^{th} -level blurred region in the to-be-processed image, and performing super-resolution processing on the n^{th} -level blurred region in the to-be-processed image to obtain a n^{th} -level super-resolution image; predicting n^{th} -level to $(n-m)^{\text{th}}$ -level blurred regions in the $(n-m)^{\text{th}}$ -level super-resolution image, performing super-resolution processing on the n^{th} -level to $(n-m)^{\text{th}}$ -level blurred regions in the $(n-m)^{\text{th}}$ -level super-resolution image to obtain the $(n-m)^{\text{th}}$ -level super-resolution image; predicting n^{th} -level to first-level blurred regions in a second-level super-resolution image, performing super-resolution processing on the n^{th} -level to first-level blurred regions in the first-level super-resolution image to obtain the first-level super-resolution image; where the degree of blur is reduced in turn from the n^{th} -level blurred region to the first-level blurred region.

FIG. 1