

ABSTRACT

Embodiments of the present disclosure provide methods and apparatuses for
5 vehicle appearance feature recognition, methods and apparatuses for vehicle retrieval,
storage medium, and electronic devices. The method for vehicle appearance feature
recognition includes: obtaining multiple region segmentation results of a target
vehicle from an image to be recognized; extracting global feature data and multiple
pieces of region feature data from the image to be recognized based on the multiple
10 region segmentation results; and fusing the global feature data and the multiple pieces
of region feature data to obtain appearance feature data of the target vehicle. The
embodiments of the present disclosure can describe the appearances of vehicles more
accurately. In addition, by means of the vehicle appearance features recognized in the
embodiments, the vehicle appearance features in different vehicle images may be
15 compared directly, thereby solving the problem that different regions between
different vehicle images cannot be compared.

[Figure 1]