

**ENVIRONMENT DETECTION METHOD FOR VEHICLE, APPARATUS,  
DEVICE, VEHICLE, MEDIUM, AND PRODUCT**

**ABSTRACT**

5    Embodiments of the present disclosure relate to an environment detection  
method for a vehicle, an apparatus, a device, a vehicle, a medium, and a product.  
The method includes: performing feature extraction on a peripheral-view image  
and a surround-view image of the vehicle respectively to obtain a  
peripheral-view image feature and a surround-view image feature; determining  
10    first query information according to a task type corresponding to a detection task;  
determining first key information and first value information according to the  
peripheral-view image feature and the surround-view image feature; processing  
the first query information, the first key information, and the first value  
information by using an attention mechanism to obtain a target fusion feature;  
15    and detecting a peripheral environment of the vehicle according to the target  
fusion feature to determine a detection result corresponding to the detection  
task.

Fig. 1