

ABSTRACT

A configuration method and apparatus for a detector, an electronic device, and a storage medium. The method comprises: determining a fixed dilation rate of a convolution operation of dilation convolution in a detector (S11); performing the convolution operation of the dilation
5 convolution on any one of the detectors, and when the fixed dilation rate of the convolution operation meets a decomposition condition, decomposing the convolution operation into a first sub convolution operation and a second sub convolution operation, determining an upper-limit dilation rate and a lower-limit dilation rate corresponding to the fixed dilation rate of the convolution operation, using the upper-limit dilation rate as the dilation rate of the first sub
10 convolution operation, and using the lower-limit dilation rate as the dilation rate of the second sub convolution operation (S12); and according to the number of output channels of the convolution operation and the fixed dilation rate of the convolution operation, determining the number of the output channels corresponding to the first sub convolution operation and the number of the output channels corresponding to the second sub convolution operation (S13).
15 The detector obtained by means of the method can reduce the time required for target detection, and thus can be applicable to a real-time scene.