

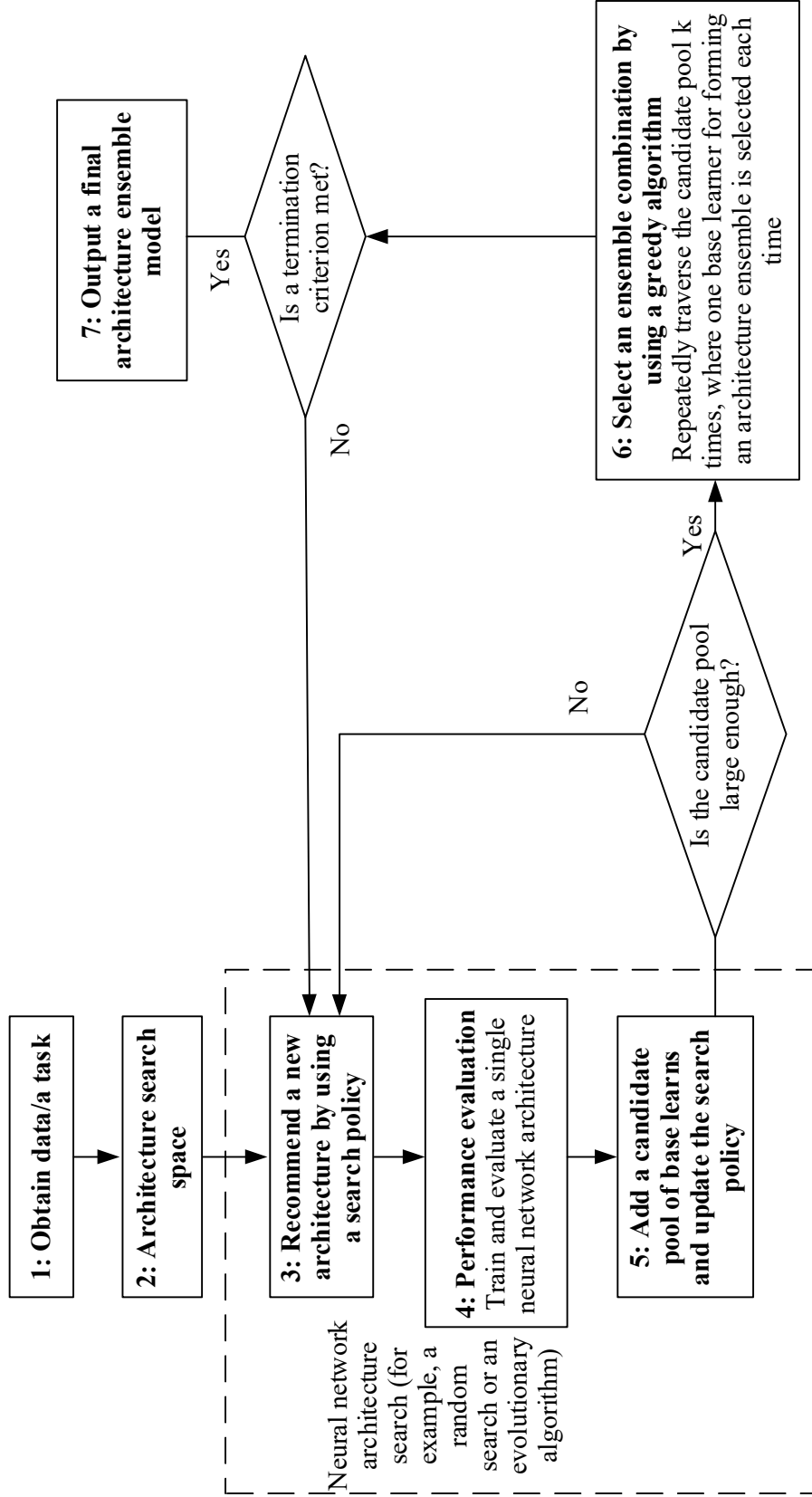


FIG. 1

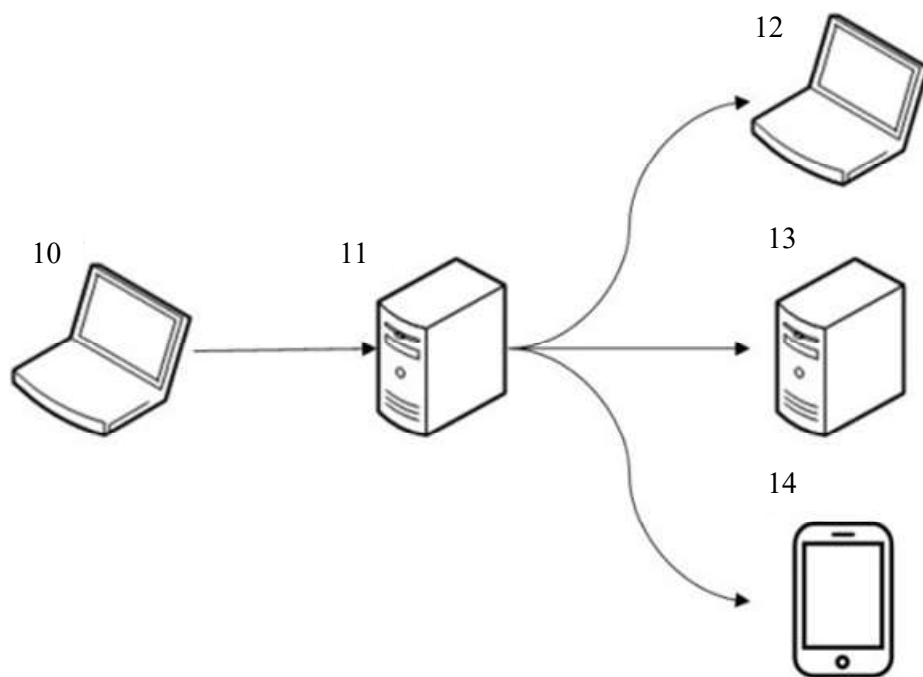


FIG. 2

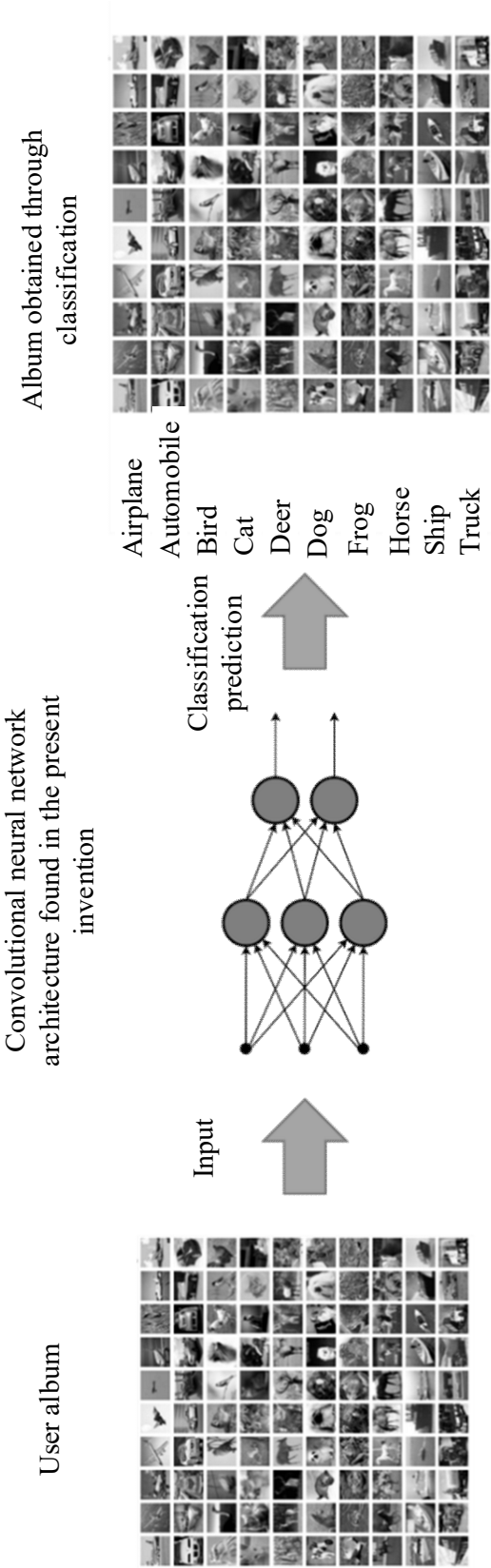
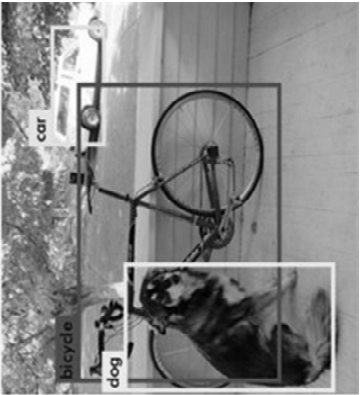
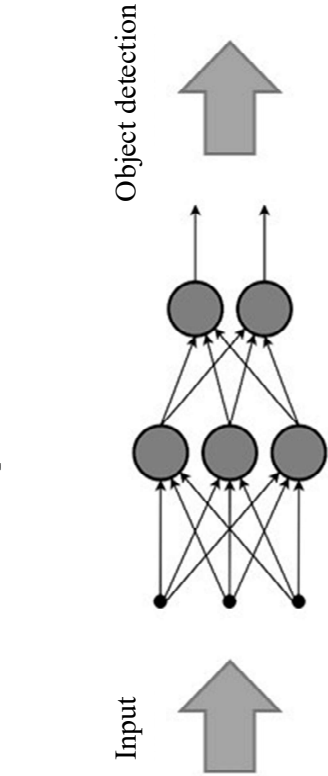


FIG. 3

Image on which
object detection is
performed



Convolutional neural
network architecture found
in the present invention



Original image



FIG. 4

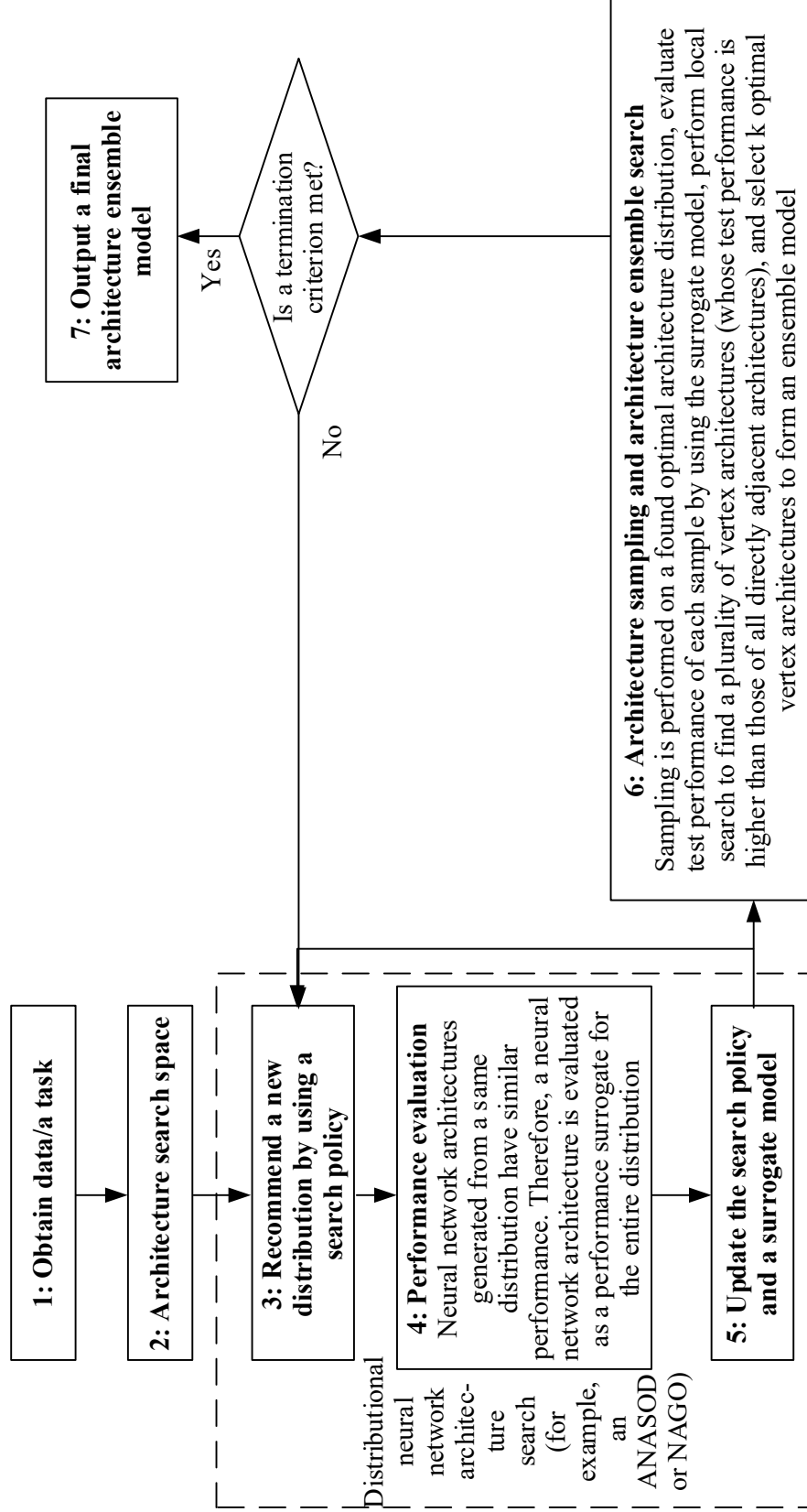


FIG. 5

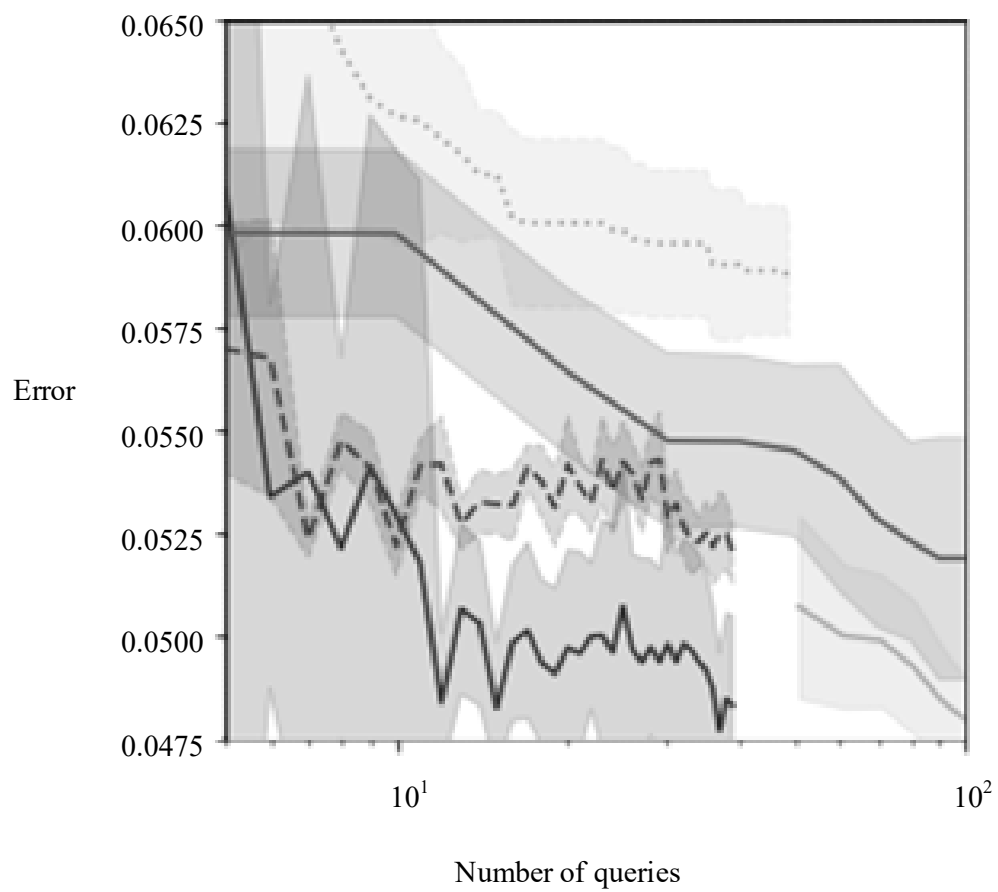


FIG. 6

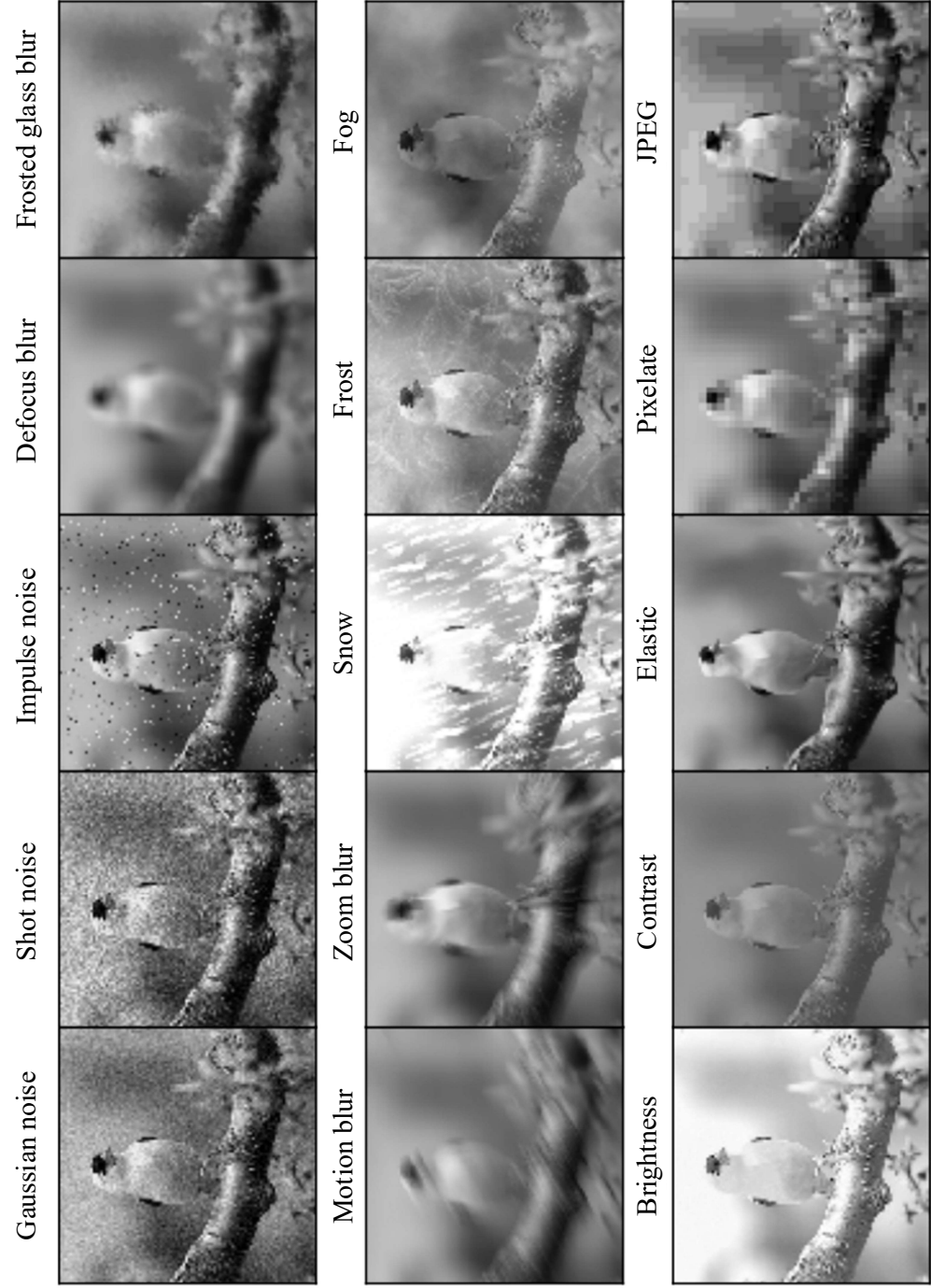


FIG. 7

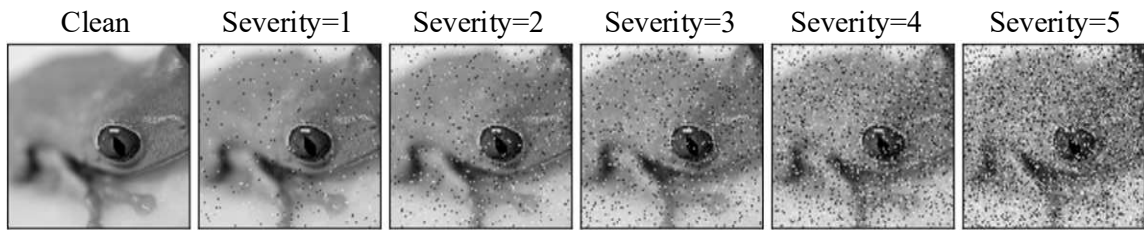


FIG. 8

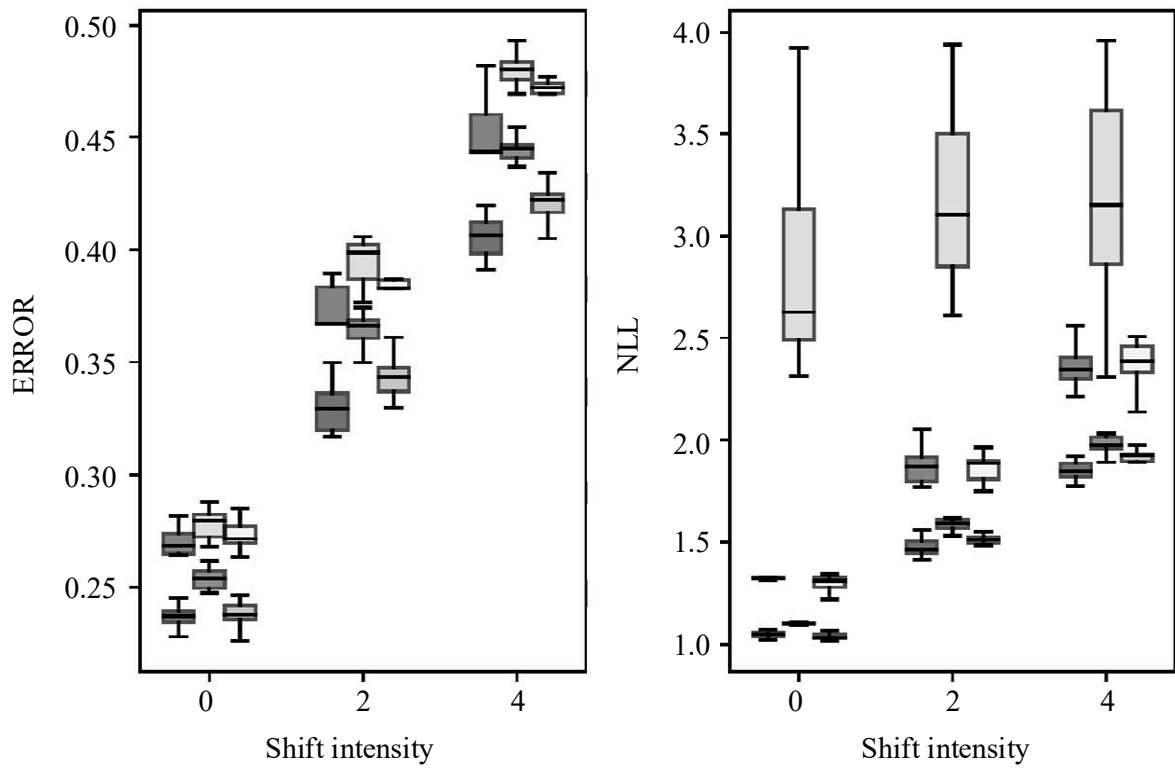


FIG. 9

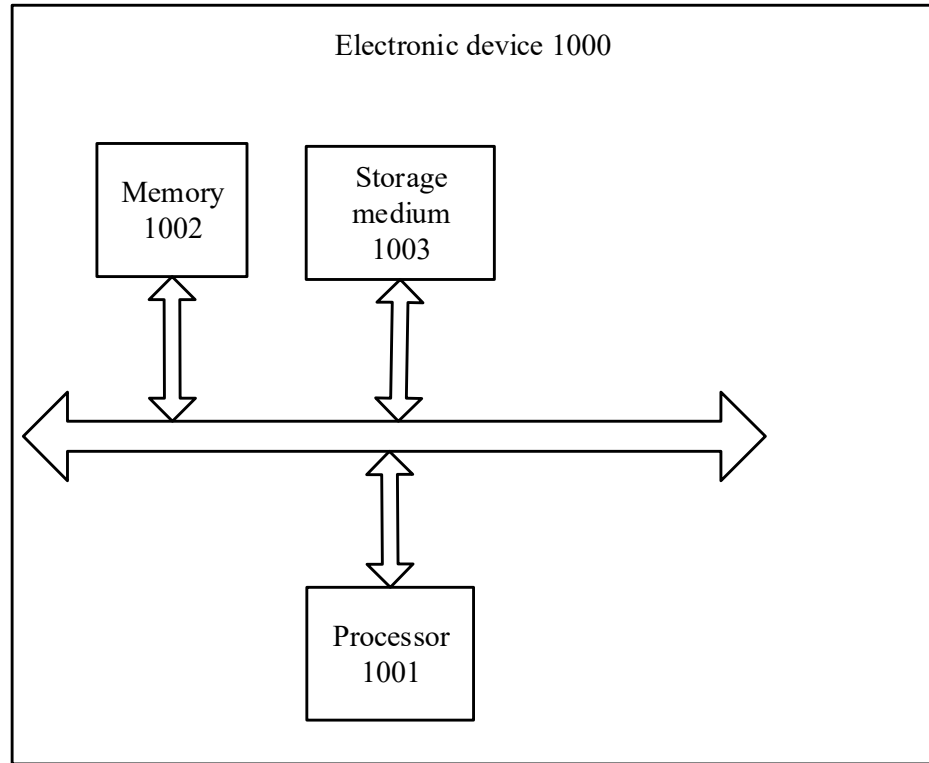


FIG. 10