

METHOD, APPARATUS, AND DEVICE FOR OBTAINING ARTIFICIAL INTELLIGENCE MODEL, AND STORAGE MEDIUM

ABSTRACT

A method, an apparatus, and a device for obtaining an artificial intelligence model, and a
5 storage medium are provided. That a client performs the method is used as an example. The client
receives a first artificial intelligence AI model sent by a service end (303). The first AI model
includes a plurality of neurons. The client determines, from the plurality of neurons, a target neuron
participating in a current round of training, where the current round of training is a non-first round
of training, and a quantity of target neurons is less than a total quantity of the plurality of neurons
10 (304). The client trains the target neuron based on local data (305). The client returns parameter
data corresponding to the target neuron to the service end (306). The parameter data corresponding
to the target neuron is used by the service end to obtain a converged target AI model. Because not
all neurons in the model need to be trained, but the target neuron is trained based on an active
condition, power consumption can be reduced, and a training speed can be increased. In addition,
15 because the client transmits only a parameter corresponding to a trained neuron to the service end,
communication bandwidth can be saved.

Fig. 3