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(54) Title: DEEP LEARNING NETWORK DETERMINATION METHOD AND APPARATUS, AND ELECTRONIC DEVICE AND STORAGE MEDIUM

(54) 发明名称: 深度学习网络确定方法、装置、电子设备及存储介质

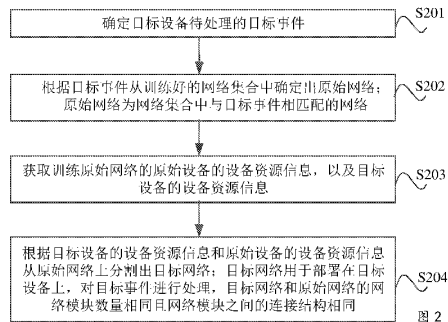


图 2

S201 Determine a target event to be processed by a target device
S202 Determine an original network from a trained network set according to the target event, wherein the original network is a network, which matches the target event, in the network set
S203 Acquire device resource information of an original device for training the original network, and device resource information of the target device
S204 According to the device resource information of the target device and the device resource information of the original device, segment the original network to obtain a target network, wherein the target network is used for being deployed on the target device so as to process the target event, the number of network modules of the target network is the same as the number of network modules of the original network, and the connection structures between the network modules are the same

(57) Abstract: Provided are a deep learning network determination method and apparatus, and an electronic device and a storage medium. In the embodiments, the method comprises: determining a target event to be processed by a target device (S201); determining an original network from a trained network set according to the target event (S202); acquiring device resource information of an original device for training the original network, and device resource information of the target device (S203); and according to the device resource information of the target device and the device resource information of the original device, segmenting the original network to obtain a target network, wherein the target network is used for being deployed on the target device so as to process the target event, the number of network modules of the target network is the same as the number of network modules of the original network, and the connection structures between the network modules are the same (S204). In this way, by means of determining a target network from an original network, it is not necessary for a researcher to train a network for each device, and therefore, time spent on network design and training can be saved, thereby greatly improving the working efficiency.

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本国际公布:

— 包括国际检索报告 (条约第21条(3))。

(57) 摘要: 提供了深度学习网络确定方法、装置、电子设备及存储介质, 在实施例, 通过确定目标设备待处理的目标事件 (S201); 根据目标事件从训练好的网络集合中确定出原始网络 (S202), 获取训练原始网络的原始设备的设备资源信息, 以及目标设备的设备资源信息 (S203); 根据目标设备的设备资源信息和原始设备的设备资源信息从原始网络上分割出目标网络; 目标网络用于部署在目标设备上, 对目标事件进行处理, 目标网络和原始网络的网络模块数量相同且网络模块之间的连接结构相同 (S204)。如此, 通过从原始网络中确定目标网络, 使得研究员不需要为每个设备训练网络, 可以节省花费在网络设计和训练上的时间, 大大提高工作效率。