

Abstract**FEDERATED LEARNING-BASED INTERNET OF THINGS DATA SERVICE
METHOD AND APPARATUS, DEVICE, AND MEDIUM**

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A federated learning-based Internet of Things data service method and apparatus, a device, and a medium. The method comprises: obtaining a data processing result of an edge side for target user data; performing federated learning training on the basis of a federated learning engine, the data processing result, and the target user data to obtain a federated learning trained
10 model; storing the federated learning trained model into a target model library; and using the target model library to implement invocation on the basis of the demand of a service terminal. According to the present disclosure, target user data is processed, the obtained data processing result is used to implement federated learning training, and then a federated learning trained model conforming to user management and invocation demands can be obtained. A model is
15 invoked on the basis of the demand of a service terminal, thereby satisfying the training and invocation demands of a user for the model and providing convenience for subsequent use of data by the user.

(FIG. 1)

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