TASK PROCESSING METHOD AND SCHEDULING DEVICE FOR PRIVACY-PRESERVING COMPUTATION SYSTEM, AND STORAGE MEDIUM

ABSTRACT

This specification provides a task processing method and scheduling device for a privacy-preserving computation system, and a storage medium. The privacy-preserving computation system includes a scheduling device and a computing device set that supports a plurality of privacy-preserving computation technologies, the computing device set includes a plurality of computing devices, and each computing device supports at least one of the plurality of privacy-preserving computation technologies. The method is applied to the scheduling device, and the method includes: obtaining task information of a target task, where the target task indicates to perform privacy-preserving computation in the computing device set; determining, based on the task information, M operators required for executing the target task and a data source required by each operator, where M is an integer greater than or equal to 1; and determining, from the computing device set based on the M operators and the data source required by each operator, a target device subset applicable to the target task, and controlling the target device subset to execute the target task to obtain a task result corresponding to the target task.

FIG. 3