

METHODS, BLOCKCHAIN NODES, AND NODE DEVICES FOR EXECUTING SMART CONTRACT

ABSTRACT

The present specification provides a method, a blockchain node, and a node
5 device for executing a smart contract. An embodiment of the method for executing a
smart contract includes: receiving, by a blockchain node, a request for creating a
smart contract, where the request includes code of the smart contract, and the code of
the smart contract includes hotspot code marked by using a hotspot identifier;
compiling, by the blockchain node, the code of the smart contract into machine code
10 through Just-In-Time (JIT) compilation after deploying the smart contract, and storing
the hotspot code marked by using the hotspot identifier; and executing, by the
blockchain node when executing the deployed smart contract, the machine code if the
machine code corresponding to the code of the smart contract is locally stored. In the
embodiments of the present specification, the blockchain node can greatly increase
15 the speed of executing the smart contract.

FIG. 6-1