

BLOCKCHAIN SMART CONTRACT-BASED TRANSACTION HASH ACQUISITION METHODS AND SYSTEMS

ABSTRACT

5 A blockchain smart contract-based transaction hash acquisition method and
system are disclosed. In embodiments of the present specification, in one aspect, a
transaction hash acquisition instruction is defined and added to an instruction set of a
blockchain virtual machine. In addition, transaction hash acquisition logic
corresponding to the transaction hash acquisition instruction is deployed in the
10 blockchain virtual machine. In another aspect, the defined transaction hash acquisition
instruction further needs to be added to an instruction set of a smart contract compiler,
so a service smart contract compiled by using the smart contract compiler includes the
transaction hash acquisition instruction. As such, if the service smart contract is
deployed in a blockchain network, when constructing a service initiation transaction, a
15 user can specify to invoke the service smart contract to execute the service initiation
transaction.

FIG. 17a