

METHOD, APPARATUS, AND ELECTRONIC DEVICE FOR RESOURCE ALLOCATION BASED ON BLOCKCHAIN

ABSTRACT

Implementations of the present specification provide methods, apparatuses, and
5 electronic devices for resource allocation based on blockchain. The blockchain stores
a mapping relationship between a digital digest of an invoice and a resource allocation
state corresponding to the invoice. The method includes: receiving a target transaction
submitted by a client to participate in resource allocation based on a target invoice; in
response to the target transaction, calculating a digital digest of the target invoice, and
10 querying a resource allocation state stored in the blockchain and corresponding to the
digital digest; and if the detected resource allocation state is an unallocated state,
invoking resource allocation logic declared in a smart contract published in the
blockchain, to allocate resources to the client from a predetermined resource pool
based on a predetermined allocation rule, and returning a resource allocation result to
15 the client.

FIG. 1