

MULTI-NODE AUTHENTICATION METHOD AND APPARATUS BASED ON BLOCK

CHAIN

ABSTRACT

5 The authentication method of a block chain authentication
module includes: receiving an authentication preparation
request; configuring a channel and generating a channel key
allocated to the channel; generating a block including an
authentication comparison data, the block further including a
10 block key allocated to the block; commonly transmitting the
channel key and the block key, and dividing and transmitting
the authentication comparison data; transmitting an
authentication preparation completion message including the
channel key and the block key; receiving an authentication
15 request message including the channel key, the block key, and
authentication target data; dividing and transmitting the
authentication target data; receiving a result of comparing the
divided and transmitted authentication comparison data with the
divided and transmitted authentication target; and determining
20 whether the authentication of the terminal succeeds.

[No suitable Figure]