CLAIMS

1. A method of identifying a to-be-filtered transaction based on a blockchain integrated station, wherein the blockchain integrated station comprises a central processing unit (CPU) and a smart network card and is any node of a blockchain network, and the method comprises:

in a case that the blockchain integrated station receives a transaction through the smart network card, identifying, by the smart network card, a currently received transaction, comprising:

determining whether the currently received transaction satisfies a predetermined filtering condition, wherein the currently received transaction satisfies the predetermined filtering condition when a service operation type realized by the currently received transaction does not belong to a service operation type set corresponding to the blockchain integrated station; and

in response to determining that the currently received transaction satisfies the predetermined filtering condition, determining the currently received transaction as a to-be-filtered transaction,

wherein the to-be-filtered transaction is a transaction that will not be actually executed by the blockchain integrated station.

2. The method according to claim 1, further comprising:

classifying, by the smart network card, the to-be-filtered transaction into a to-be-filtered transaction set, wherein the to-be-filtered transaction set does not participate in a blockchain consensus, or the to-be-filtered transaction set is not sent to the CPU.

3. The method according to claim 1, wherein the currently received transaction satisfies the predetermined filtering condition when

a service operation type realized by the currently received transaction belongs to the service operation type set corresponding to the blockchain integrated station, and service operation contents realized by the currently received transaction do not belong to legal operation contents corresponding to the service operation type.

4. A blockchain integrated station, comprising a CPU and a smart network card, wherein the blockchain integrated station is any node of a blockchain network;

in a case that the blockchain integrated station receives a transaction through the smart network card, the smart network card identifies a currently received transaction, comprising:

determining whether the currently received transaction satisfies a predetermined filtering condition, wherein the currently received transaction satisfies the predetermined filtering condition when a service operation type realized by the currently received transaction does not belong to a service operation type set corresponding to the blockchain integrated station; and

in response to determining that the currently received transaction satisfies the predetermined filtering condition, determining the currently received transaction as a to-be-filtered transaction, wherein the to-be-filtered transaction is a transaction that will not be actually executed by the blockchain integrated station.

5. The blockchain integrated station according to claim 4, wherein the smart network card classifies the to-be-filtered transaction into a to-be-filtered transaction set; the to-be-filtered transaction set does not participate in a blockchain consensus, or the to-be-filtered transaction set is not sent to the CPU.

6. The blockchain integrated station according to claim 4, wherein the currently received transaction satisfies the predetermined filtering condition when:

a service operation type realized by the currently received transaction belongs to the service operation type set corresponding to the blockchain integrated station, and service operation contents realized by the currently received transaction do not belong to legal operation contents corresponding to the service operation type.

7. An apparatus for identifying a to-be-filtered transaction based on a blockchain integrated station, wherein the apparatus is applied to a smart network card of the blockchain integrated station, the blockchain integrated station further comprises a CPU and is any node of a blockchain network, and the apparatus comprises:

an identifying module, configured to identify a currently received transaction in a case that the blockchain integrated station receives the transaction through the smart network card, comprising: determining whether the currently received transaction satisfies a predetermined filtering condition, wherein the currently received transaction satisfies the predetermined filtering condition when a service operation type realized by the currently received transaction does not belong to a service operation type set corresponding to the blockchain integrated station; and in response to determining that the currently received transaction satisfies the predetermined filtering condition, determining the currently received transaction as a to-be-filtered transaction;

wherein the to-be-filtered transaction is a transaction that will not be actually executed by the blockchain integrated station.

8. A blockchain system comprising a blockchain network, wherein at least one node of the blockchain network is the blockchain integrated station according to any one of claims 4-6.