

CLAIMS

1. A blockchain-based data processing method, comprising:
calculating (S10) a submission time based on a base time and a submission time interval,
5 wherein the base time comprises at least one of the following:
a latest time of submitting false transaction information to a blockchain; or
a latest time of submitting actual transaction information to the blockchain;
generating (S12) the false transaction information when no actual transaction
information to be submitted exists when the submission time arrives, wherein transaction
10 content in the false transaction information comprises at least one of the following:
a transaction amount with a value of zero; or
blank storage information;
performing (S14) privacy protection processing on the transaction content in the false
transaction information by using a cryptographic algorithm; and
15 submitting (S16) the false transaction information to the blockchain.
2. The method according to claim 1, further comprising:
obtaining the actual transaction information;
performing privacy protection processing on transaction content in the actual
20 transaction information; and
submitting the actual transaction information to the blockchain.
3. The method according to claim 1, wherein the submission time interval satisfies
exponential distribution or Erlang distribution.
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4. The method according to claim 1, wherein generating the false transaction information
comprises:
obtaining an account identifier as a receiver's account identifier in the false transaction
information.
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5. The method according to claim 4, further comprising:

providing an account identifier set, wherein the account identifier set comprises at least one receiver's account identifier, wherein each receiver's account identifier corresponds to a baseline transaction ratio, and wherein obtaining the account identifier comprises:

obtaining an actual transaction ratio between an initiator's account identifier and
5 each receiver's account identifier in the account identifier set; and
selecting, from the account identifier set, a receiver's account identifier whose
actual transaction ratio is less than or equal to the baseline transaction ratio as the
receiver's account identifier in the false transaction information.

10 6. One or more computer readable storage media comprising computer instructions stored thereon which, when executed by a server, cause the server to carry out the method of any of the preceding claims.

7. A server, comprising:

15 a memory, configured to store a computer instruction, and a processor, configured to execute the computer instruction to implement the method according to any of claims 1 to 5.