

CLAIMS

1. A computer-implemented method for logistics management, the method comprising:
 - identifying a first smart contract stored in a blockchain, the smart contract corresponding to a logistic process, the logistic process including a plurality of sections;
 - receiving a first set of information with respect to a first section of the plurality of sections;
 - verifying the first set of information based on the smart contract; and
 - adding the first set of information into the blockchain based on a result of the verifying.
2. The method of claim 1, wherein the verifying the first set of information based on the smart contract includes one or more of:
 - verifying whether an identification of a user complies with the smart contract;
 - and
 - verifying whether the first set of information includes an identifier of the first section that complies with the smart contract.
3. The method of claim 1, wherein the first smart contract assigns a section identifier to each of the plurality of sections of the logistic process.
4. The method of claim 1, wherein the first smart contract includes a user qualification for providing transaction information with respect to a section of the plurality of sections of the logistic process.
5. The method of claim 4, wherein the user qualification includes a certificate issued by a certificate authority outside a blockchain platform supporting the blockchain.
6. The method of claim 4, wherein the user qualification includes that a consumer user is registered with a certificate authority.

7. The method of claim 1, further comprising determining a consensus algorithm based on the first smart contract, wherein the verifying the first set of information follows the consensus algorithm.

8. The method of claim 1, further comprising providing a software module to the user for processing the first set of information at a device of the user based on the first smart contract.

9. A system of logistics management, comprising:
one or more processors; and
one or more computer-readable memories coupled to the one or more processors and having instructions stored thereon that are executable by the one or more processors to perform acts including:
identifying a first smart contract stored in a blockchain, the smart contract corresponding to a logistic process, the logistic process including a plurality of sections;
receiving a first set of information with respect to a first section of the plurality of sections;
verifying the first set of information based on the smart contract; and
adding the first set of information into the blockchain based on a result of the verifying.

10. The system of claim 9, wherein the verifying the first set of information based on the smart contract includes one or more of:
verifying whether an identification of a user complies with the smart contract;
and
verifying whether the first set of information includes an identifier of the first section that complies with the smart contract.

11. The system of claim 9, wherein the first smart contract assigns a section identifier to each of the plurality of sections of the logistic process.

12. The system of claim 9, wherein the first smart contract includes a user qualification for providing transaction information with respect to a section of the plurality of sections of the logistic process.

13. The system of claim 12, wherein the user qualification includes a certificate issued by a certificate authority outside a blockchain platform supporting the blockchain.

14. The system of claim 12, wherein the user qualification includes that a consumer user is registered with a certificate authority.

15. The system of claim 9, where the acts include determining a consensus algorithm based on the first smart contract, and the verifying the first set of information follows the consensus algorithm.

16. The system of claim 9, where the acts include providing a software module to the user for processing the first set of information at a device of the user based on the first smart contract.

17. An apparatus for logistics management, the apparatus comprising a plurality of units for performing acts including:

identifying a first smart contract stored in a blockchain, the smart contract corresponding to a logistic process, the logistic process including a plurality of sections;

receiving a first set of information with respect to a first section of the plurality of sections;

verifying the first set of information based on the smart contract; and

adding the first set of information into the blockchain based on a result of the verifying.

18. The apparatus of claim 17, wherein the verifying the first set of information based on the smart contract includes one or more of:
verifying whether an identification of a user complies with the smart contract;
and
verifying whether the first set of information includes an identifier of the first section that complies with the smart contract.

19. The apparatus of claim 17, wherein the first smart contract includes a user qualification for providing transaction information with respect to a section of the plurality of sections of the logistic process.

20. The apparatus of claim 18, wherein the verifying determines whether the identification of the user is consistent with the identifier of the first section.