

## CLAIMS

What is claimed is:

1. A computer-based method for managing attestations, comprising:  
receiving, by a computer program executed by an electronic device for an identity consumer and from an identity provider, a notification from an identity provider server that an attestation is available, wherein the attestation is generated by the identity provider based on authorization from a system operator and comprises a chain of trust comprising an identification of the system operator and the identity provider;  
requesting, by the computer program, the attestation from the identity provider; and  
downloading, by the computer program, the attestation to an identity consumer electronic wallet for the identity consumer;  
wherein identity provider commits the downloading of the attestation to a distributed ledger, wherein the distributed ledger maintains a current status for the attestation.
2. The computer-based method of claim 1, wherein the attestation comprises a license, a certificate, a credential, or an authorization.
3. The computer-based method of claim 1, wherein the identity provider comprises one of a financial institution, a government agency, an employer, and a legal entity.
4. The computer-based method of claim 1, wherein the attestation comprises an identification of an attestor, an identification of an attestee, a type of attestation, and a date of issuance.
5. The computer-based method of claim 1, further comprising:

providing, by the computer program, the attestation to a relying party computer application for a relying party, wherein a computer program for the relying party verifies the status of the attestation on the distributed ledger.

6. The computer-based method of claim 1, wherein the identity consumer electronic wallet comprises a wallet application, a mobile wallet, or a web-based wallet.

7. A computer-based method for managing attestations, comprising:  
receiving, by a computer program executed by an electronic device for an identity consumer and from a relying party computer application for a relying party, a request for an attestation;  
retrieving, by the computer program and from an electronic wallet for the identity consumer, the attestation; and  
sending, by the computer program and to the relying party computer application, the attestation;  
wherein the relying party computer program verifies a status for the attestation using a distributed ledger.

8. The computer-based method of claim 7, wherein the attestation comprises a license, a certificate, a credential, or an authorization, and comprises an identification of an attestor, an identification of an attestee, a type of attestation, and a date of issuance.

9. The computer-based method of claim 7, wherein the identity consumer electronic wallet comprises a wallet application or a web-based wallet.

10. The computer-based method of claim 7, wherein the status of the attestation indicates whether the attestation is valid, expired, or revoked.

11. The computer-based method of claim 7, wherein the relying party computer application periodically verifies the status of the attestation using the distributed ledger.

12. The computer-based method of claim 7, wherein the relying party receives a notification that the attestation is revoked or expired from the distributed ledger.

13. The computer-based method of claim 7, wherein relying party computer program further verifies a chain of trust for the attestation, wherein the chain of trust identifies a system operator and an identity provider, wherein the system operator authorizes the identity provider to issue the attestation.

14. A computer-based method for sending an object using attestations, comprising:

receiving, by a computer program executed by an electronic device for an identity consumer, an identity of an object to sign;

receiving, by the computer program executed by an electronic device for the identity consumer, a selection of an attestation to sign the object with;

retrieving, by the computer program executed by an electronic device for the identity consumer, the identified object and the selected attestation;

signing, by the computer program executed by an electronic device for the identity consumer, the object with the attestation by embedding the attestation in the object; and

sending, by the computer program executed by an electronic device for the identity consumer, the signed object to a computer program executed by a device for a receiving party.

15. The computer-based method of claim 14, wherein the object comprises a document, and the attestation attests that the identity consumer is authorized to sign the document.

16. The computer-based method of claim 14, wherein the object is a payment, and the attestation attests that the identity consumer is authorized to make the payment.

17. The computer-based method of claim 14, wherein the object comprises digital currency.

18. The computer-based method of claim 14, wherein the attestation comprises a license, a certificate, a credential, or an authorization, and comprises an identification of an attester, an identification of an attestee, a type of attestation, and a date of issuance.

19. The computer-based method of claim 14, further comprising:  
receiving, by the computer program executed by an electronic device for the identity consumer and from the computer program executed by a device for a receiving party, a request for the object and the receiving party attestation; and  
verifying, by the computer program executed by an electronic device for the identity consumer, a status of the receiving party attestation using a distributed ledger before sending the object to the receiving party.

20. The computer-based method of claim 19, wherein the receiving party attestation attests to an account for the receiving party.