

CLAIMS

What is claimed is:

1. A computer-implemented method, comprising:
collecting voice information from a user;
identifying from the voice information, network-based service information and transaction data, wherein the network-based service information includes a voice command for starting one or more network-based services for the user and the transaction data includes one or more parties associated with a transaction and a transaction amount;
verifying that the user is authorized to use the one or more network-based services by matching the voice command with a pre-stored voiceprint model; and sending at least a portion of the voice information that includes the network-based service information and the transaction data to a server to process the one or more network-based services based on the network-based service information and the transaction data.
2. The computer-implemented method of claim 1, wherein verifying that the user is authorized to use the one or more network-based services further includes requiring a user input operation or a user biometric feature.
3. The computer-implemented method of claims 1 or 2, wherein the network-based service information further includes one or more service identifications (IDs) associated with the one or more network-based services and one or more user IDs or user computing device IDs associated with one or more users or user computing devices that use the communication software for starting the one or more network-based services.
4. The computer-implemented method of any one of the preceding claims, further comprising receiving a business order associated with one or more operations of completing the service from the server.

5. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:

collecting voice information from a user;

identifying from the voice information, network-based service information and transaction data, wherein the network-based service information includes a voice command for starting one or more network-based services for the user and the transaction data includes one or more parties associated with a transaction and a transaction amount;

verifying that the user is authorized to use the one or more network-based services by matching the voice command with a pre-stored voiceprint model; and

sending at least a portion of the voice information that includes the network-based service information and the transaction data to a server to process the one or more network-based services based on the network-based service information and the transaction data.

6. The non-transitory, computer-readable medium of claim 5, wherein verifying that the user is authorized to use the one or more network-based services further includes requiring a user input operation or a user biometric feature.

7. The non-transitory, computer-readable medium of claims 5 or 6, wherein the network-based service information further includes one or more service identifications (IDs) associated with the one or more network-based services and one or more user IDs or user computing device IDs associated with one or more users or user computing devices that use the communication software for starting the one or more network-based services.

8. The non-transitory, computer-readable medium of any one of claims 5 to 7, further comprising receiving a business order associated with one or more operations of completing the service from the server.

9. A computer-implemented system, comprising:

one or more computers; and

one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing instructions that, when executed by the one or more computers, perform operations comprising:

collecting voice information from a user;

identifying from the voice information, network-based service information and transaction data, wherein the network-based service information includes a voice command for starting one or more network-based services for the user and the transaction data includes one or more parties associated with a transaction and a transaction amount;

verifying that the user is authorized to use the one or more network-based services by matching the voice command with a pre-stored voiceprint model; and

sending at least a portion of the voice information that includes the network-based service information and the transaction data to a server to process the one or more network-based services based on the network-based service information and the transaction data.

10. The computer-implemented system of claim 9, wherein verifying that the user is authorized to use the one or more network-based services further includes requiring a user input operation or a user biometric feature.

11. The computer-implemented system of claims 9 or 10, wherein the network-based service information further includes one or more service identifications (IDs) associated with the one or more network-based services and one or more user IDs or user computing device IDs associated with one or more users or user computing devices that use the communication software for starting the one or more network-based services.

12. The computer-implemented system of any one of claims 9 to 11, further comprising receiving a business order associated with one or more operations of completing the service from the server.