CLAIMS

What is claimed is:

1. A data processing method, comprising:

determining a receipt obtaining manner corresponding to a payment voucher, wherein the payment voucher is generated after payment processing of a target transaction is performed based on a reimbursement code;

obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher; and

returning the electronic receipt and the payment voucher to an application platform employed by an institution to which the reimbursement code belongs, to process the electronic receipt and the payment voucher on the application platform.

2. The method according to claim 1, wherein the determining a receipt obtaining manner corresponding to a payment voucher comprises:

obtaining information about a transaction participant corresponding to the target transaction from the payment voucher;

determining, based on the information about the transaction participant, whether the transaction participant has activated an automatic receipt return service; and

if yes, determining that the receipt obtaining manner is a first obtaining manner; or

if no, determining that the receipt obtaining manner is a second obtaining manner.

3. The method according to claim 2, wherein the receipt obtaining manner is the first obtaining manner, and the obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher comprises:

determining institution information of the institution to which the reimbursement code belongs; sending a first receipt obtaining request to the transaction participant based on the institution information and determined voucher identification information of the payment voucher; receiving the electronic receipt and the voucher identification information that are sent by the transaction participant; and determining the received electronic receipt as the electronic receipt that matches the payment voucher corresponding to the voucher identification information; or

receiving an electronic receipt and voucher identification information that are sent by the transaction participant of the target transaction; and determining the received electronic receipt as an electronic receipt that matches a payment voucher corresponding to the voucher identification information, wherein the electronic receipt is generated based on a second receipt obtaining request sent by an institution member who initiates the target transaction, and the second receipt obtaining request comprises the voucher identification information.

4. The method according to claim 2, wherein the receipt obtaining manner is the second

obtaining manner, and the obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher comprises:

receiving an electronic receipt sent by the transaction participant of the target transaction; performing matching processing on the electronic receipt and the payment voucher in a preset first matching manner; and if matching succeeds, determining the electronic receipt as the electronic receipt that matches the payment voucher, wherein the electronic receipt is generated based on a third receipt obtaining request sent by an institution member who initiates the target transaction, and the third receipt obtaining request is sent by scanning an electronic receipt application code provided by the transaction participant of the target transaction.

5. The method according to claim 2, wherein the receipt obtaining manner is the second obtaining manner, and the obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher comprises:

receiving a first association request sent by a first terminal device of an institution member who initiates the target transaction, wherein the first association request comprises an electronic receipt and voucher identification information, and the electronic receipt is obtained by the first terminal device from the transaction participant of the target transaction based on a receipt application operation of the institution member, or the electronic receipt is generated based on a paper receipt of the target transaction and is uploaded by the institution member; and

determining the electronic receipt in the first association request as an electronic receipt that matches a payment voucher corresponding to the voucher identification information.

6. The method according to claim 2, wherein the receipt obtaining manner is the second obtaining manner, and the obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher comprises:

receiving a second association request sent by a first terminal device of an institution member who initiates the target transaction, wherein the second association request comprises an electronic receipt and voucher identification information, and the electronic receipt is not generated based on the target transaction and is uploaded by the institution member;

obtaining a corresponding payment voucher based on the voucher identification information;

performing matching processing on the electronic receipt and the payment voucher in a preset second matching manner; and

if matching processing succeeds, determining the electronic receipt as the electronic receipt that matches the payment voucher.

7. The method according to any one of claims 1 to 6, wherein the returning the electronic receipt and the payment voucher to an application platform employed by an institution to which the reimbursement code belongs comprises:

sending, based on voucher information of the payment voucher and receipt information of the electronic receipt, prompt information to the application platform employed by the institution to which the reimbursement code belongs; and

if a specified request sent by the application platform is received, returning the electronic receipt and the payment voucher to the application platform employed by the institution to which the reimbursement code belongs.

8. The method according to claim 7, wherein the sending, based on voucher information of the payment voucher and receipt information of the electronic receipt, prompt information to the application platform employed by the institution to which the reimbursement code belongs comprises:

establishing an association relationship between the electronic receipt and the payment voucher at a preset first time interval based on receipt information of each electronic receipt and voucher information of a matching payment voucher that are obtained in a corresponding first time interval; and

sending, based on the association relationship, the prompt information to the application platform employed by the institution to which the reimbursement code belongs.

9. A data processing apparatus, comprising:

a determining module, configured to determine a receipt obtaining manner corresponding to a payment voucher, wherein the payment voucher is generated after payment processing of a target transaction is performed based on a reimbursement code;

an obtaining module, configured to obtain, in the receipt obtaining manner, an electronic receipt that matches the payment voucher; and

a return module, configured to return the electronic receipt and the payment voucher to an application platform employed by an institution to which the reimbursement code belongs, to process the electronic receipt and the payment voucher on the application platform.

10. The apparatus according to claim 9, wherein

the determining module is configured to: obtain information about a transaction participant corresponding to the target transaction from the payment voucher;

determine, based on the information about the transaction participant, whether the transaction participant has activated an automatic receipt return service; and

if yes, determine that the receipt obtaining manner is a first obtaining manner; or

if no, determine that the receipt obtaining manner is a second obtaining manner.

11. A data processing system, comprising:

a data processing platform, configured to: determine a receipt obtaining manner corresponding to a payment voucher, wherein the payment voucher is generated after payment processing of a target transaction is performed based on a reimbursement code; obtain, in the receipt obtaining manner, an

electronic receipt that matches the payment voucher; and return the electronic receipt and the payment voucher to an application platform employed by an institution to which the reimbursement code belongs, wherein

the application platform receives the electronic receipt and the payment voucher that are returned by the data processing platform, and processes the electronic receipt and the payment voucher.

12. The system according to claim 11, wherein the system further comprises: a first terminal device of an institution member of the institution who initiates the target transaction, and a second terminal device of a transaction participant of the target transaction;

the data processing platform is configured to: determine institution information of the institution based on the reimbursement code if it is determined that the receipt obtaining manner is a first obtaining manner; send a first receipt obtaining request to the second terminal device based on the institution information and determined voucher identification information of the payment voucher; receive the electronic receipt and the voucher identification information that are sent by the second terminal device; and determine the electronic receipt as the electronic receipt that matches the payment voucher corresponding to the voucher identification information; and

the second terminal device receives the first receipt obtaining request sent by the data processing platform, generates the electronic receipt based on the first receipt obtaining request, and sends the electronic receipt and the voucher identification information to the data processing platform;

or

the first terminal device displays voucher information of a corresponding payment voucher in response to a payment record query operation of the institution member; sends a second receipt obtaining request to the second terminal device based on determined voucher identification information of the payment voucher and institution information of the institution in response to a receipt application operation performed by the institution member based on the voucher information; and receives request success information sent by the second terminal device;

the second terminal device generates the electronic receipt based on the second receipt obtaining request, sends the electronic receipt and the voucher identification information to the data processing platform, and sends request success information to the first terminal device; and

the data processing platform is configured to: if it is determined that the receipt obtaining manner is a first obtaining manner and the electronic receipt and the voucher identification information that are sent by the second terminal device are received, determine the received electronic receipt as the electronic receipt that matches the payment voucher corresponding to the voucher identification information.

13. The system according to claim 11, wherein the system further comprises: a first terminal device of an institution member of the institution who initiates the target transaction, and a second

terminal device of a transaction participant of the target transaction;

the first terminal device scans, in response to a scanning operation performed by the institution member, a specified electronic receipt application code provided by the transaction participant; sends a third receipt obtaining request to the second terminal device based on obtained receipt information; and receives request success information sent by the second terminal device;

the second terminal device receives the third receipt obtaining request, generates the electronic receipt based on the receipt information, sends the electronic receipt to the data processing platform, and sends request success information to the first terminal device; and

the data processing platform is configured to: perform matching processing on the electronic receipt and the payment voucher in a preset first matching manner if it is determined that the receipt obtaining manner is a second obtaining manner and the electronic receipt sent by the second terminal device is received, and if matching succeeds, determine the received electronic receipt as the electronic receipt that matches the payment voucher.

14. The system according to claim 11, wherein the system further comprises: a first terminal device of an institution member of the institution who initiates the target transaction, and a second terminal device of a transaction participant of the target transaction;

the first terminal device scans, in response to a scanning operation performed by the institution member, a specified electronic receipt application code provided by the transaction participant; sends a fourth receipt obtaining request to the second terminal device based on obtained receipt information and an obtained receiving address of the electronic receipt; obtains the electronic receipt in the receiving address in response to an uploading operation performed by the institution member; and sends a first association request to the data processing platform based on the obtained electronic receipt and determined voucher identification information of the payment voucher; or in response to an uploading operation performed by the institution member, obtains an electronic receipt generated based on a paper receipt of the target transaction, and sends a first association request to the data processing platform based on the obtained electronic receipt and determined voucher identification information of the payment voucher;

the second terminal device receives the fourth receipt obtaining request, generates the electronic receipt based on the receipt information, and sends the electronic receipt to the receiving address; and

the data processing platform is configured to: if it is determined that the receipt obtaining manner is a second obtaining manner and the first association request sent by the first terminal device is received, determine the electronic receipt in the first association request as the electronic receipt that matches the payment voucher corresponding to the voucher identification information.

15. The system according to claim 11, wherein the system further comprises a first terminal device of an institution member of the institution who initiates the target transaction;

the first terminal device obtains, in response to an uploading operation performed by the institution member, an electronic receipt that is not based on the target transaction and that is uploaded by the institution member, and sends a second association request to the data processing platform based on the electronic receipt and determined voucher identification information of the payment voucher; and

the data processing platform obtains a corresponding payment voucher based on the voucher identification information in the second association request; performs matching processing on the electronic receipt and the obtained payment voucher in a preset second matching manner; and if matching processing succeeds, determines the electronic receipt as the electronic receipt that matches the payment voucher.

16. A data processing device, comprising:

a processor; and

a storage, configured to store computer-executable instructions, wherein when the computer-executable instructions are executed, the processor is enabled to perform the following operations:

determining a receipt obtaining manner corresponding to a payment voucher, wherein the payment voucher is generated after payment processing of a target transaction is performed based on a reimbursement code;

obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher; and

returning the electronic receipt and the payment voucher to an application platform employed by an institution to which the reimbursement code belongs, to process the electronic receipt and the payment voucher on the application platform.

17. A storage medium, configured to store computer-executable instructions, wherein when the computer-executable instructions are executed by a processor, the following procedure is implemented:

determining a receipt obtaining manner corresponding to a payment voucher, wherein the payment voucher is generated after payment processing of a target transaction is performed based on a reimbursement code;

obtaining, in the receipt obtaining manner, an electronic receipt that matches the payment voucher; and

returning the electronic receipt and the payment voucher to an application platform employed by an institution to which the reimbursement code belongs, to process the electronic receipt and the payment voucher on the application platform.