

Claims:

1. A data processing method, comprising:

photographing, by a first terminal device, a display of a second terminal device to acquire feature information of said second terminal device;

5 broadcasting, by the first terminal device, communication information comprising said feature information via wireless communication;

receiving, by the second terminal device, said communication information;

acquiring, by the second terminal device, feature information of the second terminal device;

and

10 generating, by the second terminal device, a payment code for said first terminal device to scan, when the feature information acquired by the second terminal device matches the feature information in said communication information.

2. The method of claim 1, wherein photographing the display of said second terminal device to acquire the feature information of the second terminal device comprises:

15 capturing, by the first terminal device, image information displayed on said second terminal device; and

extracting, by the first terminal device, feature information from said image information.

3. The method of claim 1, further comprising:

presenting, by the first terminal device, at least one payment channel identifier;

20 selecting, by the first terminal device, a payment channel identifier from the at least one payment channel identifier in response to a user operation; and

including, by the first terminal device, the selected payment channel identifier in the communication information,

25 wherein the generating of the payment code is based at least on the selected payment channel identifier.

4. A data processing method implemented in a first terminal device, comprising:

photographing a display of a second terminal device to acquire feature information of said second terminal device;

30 broadcasting communication information comprising said feature information via wireless communication, to enable said second terminal device to generate a payment code based on said communication information.

5. The method of claim 4, wherein photographing the display of the second terminal device to acquire feature information of the second terminal device comprises:

capturing image information displayed on said second terminal device; and

extracting feature information from said image information.

6. The method of claim 4, further comprising:

presenting at least one payment channel identifier; and

selecting a payment channel identifier from said at least one payment channel identifier in

5 response to a user operation; and

including the selected payment channel identifier in the communication information.

7. The method of claim 4, wherein broadcasting the communication information via wireless communication comprises:

10 broadcasting, via wireless communication, a connection identifier of said first terminal device for establishing a wireless communication connection; and

transmitting, upon establishment of the wireless communication connection based on said connection identifier, the communication information via the established wireless communication connection.

8. The method of claim 4, wherein said communication information further comprises a device identifier of said first terminal device, and said payment code comprises said device identifier.

9. The method of claim 8, further comprising:

scanning said payment code; and

20 sending a payment request to a payment server based on said payment code, when the device identifier of said first terminal device matches the device identifier in said payment code.

10. A terminal device, comprising:

an acquisition unit configured to photograph a display of another terminal device to acquire feature information of said another terminal device; and

25 a broadcast unit configured to broadcast communication information comprising said feature information via wireless communication, to enable said another terminal device to generate a payment code based on said communication information.

11. The terminal device of claim 10, further comprising:

a second acquisition unit configured to selected a payment channel identifier from at least one payment channel identifier in response to a user operation,

30 wherein the communication information further comprises the selected payment channel identifier.

12. A terminal device comprising:

a memory and a processor,

wherein said memory is configured to store computer instructions, and

wherein said processor is configured to execute said computer instructions to implement operations comprising:

photographing a display of another terminal device to acquire feature information of said another terminal device;

5 broadcasting communication information comprising said feature information via wireless communication, to enable said another terminal device to generate a payment code based on said communication information.

13. The terminal device of claim 12, wherein the operations further comprise:

presenting at least one payment channel identifier;

10 selecting a payment channel identifier from the at least one payment channel identifier in response to a user operation; and

including the selected payment channel identifier in the communication information.

14. A data processing method implemented in a terminal device, comprising:

15 receiving communication information broadcasted via wireless communication, which comprises feature information;

acquiring feature information of said terminal device; and

generating a payment code, when the acquired feature information matches the feature information in said communication information.

15 15. The method of claim 14, wherein receiving the communication information broadcasted via wireless communication comprises:

receiving a connection identifier broadcasted via wireless communication; and

receiving, upon establishment of a wireless communication connection based on said connection identifier, the communication information via the established wireless communication connection.

25 16. The method of claim 14, wherein acquiring the feature information of said terminal device comprises:

acquiring image information displayed on said terminal device; and

extracting the feature information from said image information.

30 17. The method of claim 14, wherein before generating the payment code, the method further comprises:

acquiring state information of said terminal device,

wherein generating the payment code comprises:

generating the payment code, when said state information meets a preset condition and the acquired feature information matches the feature information in said communication

information.

18. The method of claim 14, further comprising:

ignoring said communication information, when the acquired feature information does not match the feature information in said communication information.

5 19. The method of claim 17, further comprising:

ignoring said communication information, when said state information does not meet the preset condition.

20. The method of claim 14, wherein generating the payment code comprises:

invoking a payment application; and

10 generating a payment code by said payment application.

21. The method of claim 14, wherein said communication information further comprises a device identifier, and said payment code comprises said device identifier.

22. A terminal device, comprising:

15 a reception unit configured to receive communication information broadcasted via wireless communication, which comprises feature information;

an acquisition unit configured to acquire feature information of said terminal device; and

a generating unit configured to generate a payment code when the acquired feature information matches the feature information in said communication information.

23. A terminal device comprising:

20 a memory and a processor,

wherein said memory is configured to store computer instructions, and

wherein said processor is configured to execute said computer instructions to implement operations comprising:

25 receiving communication information broadcasted via wireless communication, which comprises feature information;

acquiring feature information of said terminal device;

generating a payment code when the acquired feature information matches the feature information in said communication information.

24. A data processing system comprising a first terminal device and a second terminal
30 device,

wherein said first terminal device is configured to implement operations comprising:

photographing a display of the second terminal device to acquire feature information of said second terminal device; and

broadcasting communication information comprising said feature information via wireless

communication, to enable said second terminal device to generate a payment code based on said communication information,

wherein said second terminal device is configured to implement operations comprising:

receiving the communication information broadcasted via wireless communication;

5 acquiring feature information of said terminal device; and

generating a payment code, when the acquired feature information matches the feature information in said communication information.