

## Claims

1. A type of communication information transmitting process, characterized in that said process comprises:

communication information transmitting terminal acquires selected fingerprint information of communication information receiving terminal, makes use of said fingerprint information of communication information receiving terminal to conduct identity authentication of said communication information receiving terminal;

after identity authentication of communication information receiving terminal is successfully completed, said communication information transmitting terminal acquires communication information input by the user; wherein, said communication information comprises E-mail or SMS;

said communication information transmitting terminal transmits said communication information to FingerQ Information Exchange Platform, which encrypts said communication information, and transmits encrypted communication information to said communication information receiving terminal;

characterized in that after identity authentication of said communication information receiving terminal is successfully completed and before said communication information transmitting terminal acquires communication information input by the user, the process also comprises:

through said FingerQ Information Exchange Platform, said communication information transmitting terminal transmits secret key exchange request and secret key of said communication information transmitting terminal to said communication information receiving terminal;

said communication information transmitting terminal receives confirmation message of secret key exchange transmitted by said communication information receiving terminal through said FingerQ Information Exchange Platform and secret key of said communication information receiving terminal;

accordingly, said communication information transmitting terminal transmits

said communication information to FingerQ Information Exchange Platform, which encrypts said communication information, transmits encrypted communication information to communication information receiving terminal;

said communication information transmitting terminal transmits said communication information to FingerQ Information Exchange Platform, which makes use of secret key of said communication information transmitting terminal to encrypt said communication information, then transmits encrypted communication information to said communication information receiving terminal.

2. The said process according to Claim 1, characterized in that said communication information transmitting terminal acquires selected fingerprint information of communication information receiving terminal, comprising:

said communication information transmitting terminal selects corresponding communication information receiving terminal, said communication information transmitting terminal is registered on said FingerQ Information Exchange Platform, and notifies said communication information receiving terminal to be registered on said FingerQ Information Exchange Platform;

said communication information transmitting terminal acquires registration information of said communication information receiving terminal, which comprises fingerprint information of said communication information receiving terminal.

~~3. The said process according to Claim 1, characterized in that after identity authentication of said communication information receiving terminal is successfully completed and before said communication information transmitting terminal acquires communication information input by the user, the process also comprises:~~

~~through said FingerQ Information Exchange Platform, said communication information transmitting terminal transmits secret key exchange request and secret key of said communication information transmitting terminal to said~~

~~communication information receiving terminal;~~

~~said communication information transmitting terminal receives confirmation message of secret key exchange transmitted by said communication information receiving terminal through said FingerQ Information Exchange Platform and secret key of said communication information receiving terminal;~~

~~accordingly, said communication information transmitting terminal transmits said communication information to FingerQ Information Exchange Platform, which encrypts said communication information, transmits encrypted communication information to communication information receiving terminal, i.e.:~~

~~said communication information transmitting terminal transmits said communication information to FingerQ Information Exchange Platform, which makes use of secret key of said communication information transmitting terminal to encrypt said communication information, then transmits encrypted communication information to said communication information receiving terminal.~~

43. The said process according to Claim 1, characterized in that after said FingerQ Information Exchange Platform encrypts said communication information and transmits encrypted communication information to said communication information receiving terminal, the process also comprises:

said communication information receiving terminal receives and decrypts the encrypted communication information, so as to acquire and display decrypted communication information.

54. The said process according to Claim 43, characterized in that before said communication information receiving terminal receives and decrypts the encrypted communication information, so as to acquire and display decrypted communication information, the process also comprises:

said communication information receiving terminal acquires fingerprint information of said communication information transmitting terminal, makes use of it to conduct identity authentication;

after identity authentication of said communication information transmitting terminal is successfully completed, said communication information receiving terminal executes the step of receiving and decrypting encrypted communication information.

65. A type of communication information transmitting system, characterized in that said system comprises: communication information transmitting terminal and FingerQ Information Exchange Platform, connection between said communication information transmitting terminal and said FingerQ Information Exchange Platform;

wherein, said communication information transmitting terminal comprises:

transmitting terminal fingerprint sensor is used to acquire selected fingerprint information of communication information receiving terminal, make use of said fingerprint information to conduct identity authentication of said communication information receiving terminal;

communication information acquirer, connecting to said transmitting terminal fingerprint sensor, is used to acquire communication information input by the user after identity authentication of said communication information receiving terminal is successfully completed by transmitting terminal fingerprint sensor; wherein, said communication information comprises E-mail or SMS;

communication information transmitter, connecting to said communication information acquirer, is used to transmit communication information acquired by said communication information acquirer to said FingerQ Information Exchange Platform;

accordingly, wherein, said FingerQ Information Exchange Platform comprises:

communication information receiver, connecting to said communication information transmitter, is used to receive communication information transmitted by said communication information transmitter;

communication information processor, connecting to said communication information receiver, is used to encrypt communication information received by

communication information receiver, transmit encrypted communication information to said communication information receiving terminal;

characterized in that after identity authentication of said communication information receiving terminal is successfully completed and before said communication information transmitting terminal acquires communication information input by the user, the process also comprises:

through said FingerQ Information Exchange Platform, said communication information transmitting terminal transmits secret key exchange request and secret key of said communication information transmitting terminal to said communication information receiving terminal;

said communication information transmitting terminal receives confirmation message of secret key exchange transmitted by said communication information receiving terminal through said FingerQ Information Exchange Platform and secret key of said communication information receiving terminal;

accordingly, said communication information transmitting terminal transmits said communication information to FingerQ Information Exchange Platform, which encrypts said communication information, transmits encrypted communication information to communication information receiving terminal;

said communication information transmitting terminal transmits said communication information to FingerQ Information Exchange Platform, which makes use of secret key of said communication information transmitting terminal to encrypt said communication information, then transmits encrypted communication information to said communication information receiving terminal.

76. The said system according to Claim 65, characterized in that said communication information transmitting terminal also comprises:

transmitting terminal processor, connecting to said transmitting terminal fingerprint sensor, is used to select corresponding communication information receiving terminal, make said communication information transmitting terminal registered on said FingerQ Information Exchange Platform, and notify said

communication information receiving terminal to be registered on said FingerQ Information Exchange Platform;

accordingly, said FingerQ Information Exchange Platform also comprises:

registration information acquirer, connecting to said transmitting terminal processor, is used to acquire registration information of said communication information transmitting terminal on said FingerQ Information Exchange Platform and registration information of said communication information receiving terminal on said FingerQ Information Exchange Platform;

accordingly, said transmitting terminal fingerprint sensor, connecting to said registration information acquirer, is used to acquire registration information of said communication information receiving terminal through said registration information acquirer, wherein, registration information of said communication information receiving terminal comprises fingerprint information of said communication information receiving terminal.

87. The said system according to Claim 65, characterized in that said communication information transmitting terminal also comprises:

secret key transmitter, respectively connecting to said transmitting terminal fingerprint sensor and said communication information acquirer, is used to transmit secret key exchange request and secret key of said communication information transmitting terminal to said FingerQ Information Exchange Platform after identity authentication of said communication information receiving terminal is successfully completed by said transmitting terminal fingerprint sensor and before said communication information acquirer acquires communication information input by the user;

accordingly, said FingerQ Information Exchange Platform also comprises:

transmitting terminal secret key repeater, connecting to said secret key transmitter, is used to receive secret key exchange request transmitted by said secret key transmitter and secret key of said communication information transmitting terminal, transmit said information to said communication information receiving

terminal;

receiving terminal secret key repeater, connecting to said communication information transmitter, is used to receive confirmation message of secret key exchange transmitted by said communication information receiving terminal and secret key of said communication information receiving terminal, transmit said information to said communication information transmitting terminal;

accordingly, said communication information transmitting terminal also comprises:

secret key receiver, connecting to said receiving terminal secret key repeater, is used to receive confirmation message of secret key exchange transmitted by said receiving terminal secret key repeater and secret key of said communication information receiving terminal;

accordingly, said communication information processor comprises:

communication information sub-processor, respectively connecting to said transmitting terminal secret key repeater and said communication information receiver, makes use of secret key of communication information transmitting terminal acquired by said transmitting terminal secret key repeater to encrypt communication information received by said communication information receiver, transmits encrypted communication information to said communication information receiving terminal.

98. The said system according to Claim 65, characterized in that it also comprises: said communication information receiving terminal, connection between said communication information receiving terminal and said FingerQ Information Exchange Platform;

wherein, said communication information receiving terminal comprises:

receiving terminal processor, connecting to communication information processor, is used to receive encrypted communication information transmitted by said communication information processor, decrypt the encrypted communication information, acquire and display decrypted communication information.

409. The said system according to Claim 98, characterized in that said communication information receiving terminal also comprises:

receiving terminal fingerprint sensor, is used to acquire fingerprint information of said communication information transmitting terminal, make use of said fingerprint information to conduct identity authentication of said communication information transmitting terminal;

notifier, respectively connecting to said receiving terminal fingerprint sensor and said receiving terminal processor, is used to notify said receiving terminal processor to execute the step of receiving encrypted communication information transmitted by said communication information processor after identity authentication of said communication information transmitting terminal is successfully completed by said receiving terminal fingerprint sensor.