

## CLAIMS

1. A method for displaying an information image, the method comprising:

retrieving a user input comprising fingerprint information and a predefined key activation, wherein the fingerprint information is provided in a fingerprint detection state of a user equipment that is in a locked mode, in which a fingerprint module of the user equipment receives a first user input from a first finger of a user and the predefined key activation is provided by activating a predefined key comprising a touch-based virtual key on the user equipment receiving a second user input, from a second finger of the user, wherein simultaneously activating the fingerprint module and the predefined key is pre-specified as a password to trigger a display of an information image corresponding to a data of an interface of an application;

initiating a state of detecting the fingerprint information;

in response to initiating the state of detecting the fingerprint information, directly invoking the information image display functional interface of the APP while bypassing the home screen of the APP; and

displaying the information image on a user equipment screen.

2. The method according to claim 1, wherein retrieving the user input comprises:

retrieving the user input comprising fingerprint information when the user equipment is in an unused mode, wherein the unused mode comprises a locked mode, a sleep mode, and/or a standby mode.

3. The method according to claim 2, wherein retrieving the user input comprising fingerprint information detected by the fingerprint module when the user equipment is in an unused mode comprises:

after the user equipment is wakened from the sleep mode and is in a locked mode, retrieving the user input comprising fingerprint information detected by the fingerprint module.

4. The method according to any one of claims 1 to 3, wherein

the method further comprises: after the fingerprint information is detected, further determining whether the detected fingerprint information matches prestored fingerprint authentication information that is used for displaying the information image; and

the state of detecting the fingerprint information is a state in which the fingerprint information is detected, and a determining result is that the fingerprint information matches the prestored fingerprint authentication information.

5. The method according to claim 4, wherein the fingerprint authentication information that is used for displaying the information image is different from fingerprint authentication information that is used for unlocking the user equipment; and

the method further comprises: when the user equipment is in a locked mode, detecting the fingerprint information; and after it is determined that the detected fingerprint information matches prestored fingerprint authentication information that is used for unlocking the user equipment, unlocking the user equipment.

6. The method according to any one of claims 1 to 3, wherein  
the method further comprises: determining whether a predefined key is pressed; and  
the state of detecting the fingerprint information is a state in which the fingerprint information is detected and the predefined key is pressed.

7. The method according to any one of claims 1 to 3, wherein the method further comprises:  
after the information image is displayed, if display duration exceeds a predetermined duration threshold, stopping displaying the information image.

8. The method according to any one of claims 1 to 7, wherein directly invoking the information image display functional interface of the APP comprises obtaining a static information image.

9. The method of claim 8, wherein the obtaining a static information image comprises:  
obtaining a pre-generated static information image, or  
generating a dynamic information image in real time.

10. The method of any one of claims 1 to 9, wherein the information image display functional interface comprises a payment barcode interface, the information image comprises a payment barcode image, and the APP is a payment APP.

11. The method of any one of claims 8 to 10, further comprising, before directly invoking the information image display functional interface of the APP, starting and running the APP in the user equipment background.

12. The method of any one of claims 8 to 11, further comprising, after the fingerprint information is detected, starting the APP and running the APP in the user equipment foreground or background.

13. The method of any one of claims 8 to 12, further comprising, after the fingerprint information is detected:

determining whether the APP is running in the user equipment background;

if yes, directly switching to the APP and invoking the functional interface used for displaying the information image;

otherwise:

starting the APP and running the APP in the user equipment foreground or background; and

invoking the functional interface used for displaying the information image.

14. An apparatus for displaying an information image, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 13.