

## CLAIMS

1. A method for displaying an information image, the method comprising:  
retrieving a fingerprint information detection result detected by the fingerprint module (S101, S201);  
initiating a state of detecting the fingerprint information(S102);  
in response to initiating the state of detecting the fingerprint information, invoking an information image display functional interface in an APP wherein the information image is located(S102); and  
displaying the information image on a user equipment screen (S102).
2. The method according to claim 1, wherein retrieving a fingerprint information detection result detected by the fingerprint module comprises:  
retrieving the result of the fingerprint information detected by the fingerprint module 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 result of the 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 result of the 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 invoking an information image display functional interface in an APP wherein the information image is located 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 functional interface in the APP comprises a payment barcode interface in a payment APP, and wherein the information image comprises a payment barcode image.

11. The method of any one of claims 8 to 10, further comprising, before invoking an

information image display functional interface in an APP wherein the information image is located, 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 10.