CLAIMS

1. A method for implementing an accessibility function in applications, the method comprising:

receiving (201), by an application, a request for invoking an input control unit;

invoking the input control unit;

in response to detecting an event corresponding to an accessibility function and triggered using the input control unit, determining (202) a service feedback instruction corresponding to the event, wherein the accessibility function is provided by third party application software;

bypassing the third party application by directly invoking (203) an accessibility function engine of a device that comprises the application, wherein the accessibility function engine bypasses an operating system of the device, the operating system comprising a system accessibility manager and an accessibility service provided by the third party application; and

implementing (203) the accessibility function using the accessibility function engine based on the service feedback instruction.

2. The method according to claim 1, wherein the input control unit is configured in the application.

3. The method according to claim 1, wherein detecting the event corresponding to an accessibility function and triggered using the input control unit comprises:

detecting an event triggered using the input control unit;

determining a type of the triggered event; and

determining whether the triggered event is an event corresponding to the accessibility function based on the type of the triggered event.

4. The method according to claim 3, wherein determining the service feedback instruction corresponding to the event comprises:

determining a service feedback instruction corresponding to a type of the event based on a predetermined mapping relationship between a type of an event corresponding to the accessibility function and each service feedback instruction.

5. The method according to claim 3, wherein the type of the triggered event comprises a tap, a double tap, or a focus change.

6. The method according to claim 1, wherein invoking the accessibility function engine of a device that comprises the application comprises:

establishing a connection to an engine that provides the accessibility function; and

invoking the accessibility function engine of the device that comprises the application based on the connection.

7. The method according to claim 1, wherein detecting the event corresponding to the accessibility function and triggered using the input control unit comprises:

detecting an event corresponding to the accessibility function using the input control unit.

8. The method according to claim 7, wherein determining the service feedback instruction corresponding to the event comprises:

determining a service feedback instruction corresponding to the event using the input control unit.

9. The method according to claim 8, wherein invoking the accessibility function engine of the device comprises:

invoking the accessibility function engine of the device that comprises the application using the input control unit.

10. The method according to claim 1, wherein the input control unit is an on-screen keyboard.

11. The method according to claim 10, wherein the predetermined accessibility function comprises a selection of one or more keys of the on-screen keyboard.

12. The method according to any one of claims 1 to 11, wherein the accessibility function is a text-to-speech function.

13. An apparatus for implementing an accessibility function in applications, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 12.