

CLAIMS

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

- 5 receiving, by an application, a request for invoking an input control unit (201);
invoking the input control unit (201);
determining whether an event corresponding to an accessibility function is triggered by using the input control unit,
in response to determining that the event corresponding to the accessibility function is
10 triggered by using the input control unit, determining a service feedback instruction corresponding to the event (202);
invoking an accessibility function engine of a device that comprises the application (203);
and
implementing the accessibility function by using the accessibility function engine based on
15 the service feedback instruction (203).

2. The computer-implemented method of claim 1, wherein the input control unit is configured in the application.

- 20 3. The computer-implemented method of claim 1, wherein determining whether the event corresponding to an accessibility function is triggered by using the input control unit comprises:
detecting an event triggered by using the input control unit;
determining a type of the triggered event; and
determining whether the triggered event is the event corresponding to the accessibility
25 function based on the type of the triggered event.

4. The computer-implemented method of 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 5. The computer-implemented method of claim 3, wherein the type of the triggered event comprises a tap, a double tap, or a focus change.

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

10 establishing a connection relationship 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 relationship.

15 7. The computer-implemented method of claim 1, wherein determining whether the event corresponding to the accessibility function is triggered by using the input control unit comprises:

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

20 8. The computer-implemented method of claim 7, wherein determining the service feedback instruction corresponding to the event comprises:

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

25 9. The computer-implemented method of claim 8, wherein invoking the accessibility function engine of the device comprises:

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

30 10. The computer-implemented method of claim 1, wherein the input control unit is an on-screen keyboard.

11. The computer-implemented method of claim 10, wherein the predetermined accessibility function comprises a selection of a portion of the on-screen keyboard.

12. The computer-implemented method of any one of claims 1 to 11, wherein the
5 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.