

CLAIMS

1. A computing system comprising one or more processors to execute processor-executable program code stored on a non-transitory medium to cause the computing system to:

- execute a plurality of voice assistant applications, a first voice assistant application of the plurality of voice assistant applications associated with a first voice keyword and a second voice assistant application of the plurality of voice assistant applications associated with a second voice keyword;

- receive first audio signals representing the first voice keyword;

- in response to reception of the first audio signals, transmit an activation signal to the first voice assistant application to activate the first voice assistant application and execute a first user dialog session;

- while the first voice assistant application is active and executing the first user dialog session:

- receive a signal from the first voice assistant application indicating that the first voice assistant application is uninterruptable;

- receive second audio signals representing the second voice keyword;

- in response to reception of the second audio signals, determine that the first voice assistant application is uninterruptable and do not transmit an activation signal to the second voice assistant application;

- receive a second signal from the first voice assistant application indicating that the first voice assistant application is interruptable;

- receive third audio signals representing the second voice keyword; and

- in response to reception of the third audio signals, determine that the first voice assistant application is interruptable and transmit an activation signal to the second voice assistant application to activate the second voice assistant application and execute a second user dialog session.

2. A computing system according to claim 1, comprising one or more processing units to execute processor-executable program code to cause the computing system to:

- while the second voice assistant application is active and executing the second user dialog session:

- receive a third signal from the second voice assistant application indicating that the second voice assistant application is uninterruptable;

- receive fourth audio signals representing the first voice keyword;
- in response to reception of the fourth audio signals, determine that the second voice assistant application is uninterruptable and determine to not transmit an activation signal to the first voice assistant application;
- receive a fourth signal from the second voice assistant application indicating that the second voice assistant application is interruptable;
- receive fifth audio signals representing the first voice keyword; and
- in response to reception of the fifth audio signals, determine that the second voice assistant application is interruptable and transmit an activation signal to the first voice assistant application to activate the first voice assistant application and execute a third user dialog session.

3. A method for a computing device providing a plurality of voice assistant applications, a first voice assistant application of the plurality of voice assistant applications associated with a respective first voice keyword and a second voice assistant application of the plurality of voice assistant applications associated with a second voice keyword, the method comprising:

- receiving first audio signals representing the first voice keyword;
- in response to receiving the first audio signals, transmitting an activation signal to the first voice assistant application to activate the first voice assistant application and execute a first user dialog session;
- while the first voice assistant application is active and executing the first user dialog session:
 - receiving a signal from the first voice assistant application indicating that the first voice assistant application is uninterruptable;
 - receiving second audio signals representing the second voice keyword;
 - in response to reception of the second audio signals, determining that the first voice assistant application is uninterruptable and do not transmit an activation signal to the second voice assistant application;
 - receiving a second signal from the first voice assistant application indicating that the first voice assistant application is interruptable;
 - receiving third audio signals representing the second voice keyword; and
 - in response to receiving the third audio signals, determining that the first voice assistant application is interruptable and transmitting an activation signal to the second voice assistant application to activate the second voice assistant

application and execute a second user dialog session.

4. A method according to claim 3, further comprising:
while the second voice assistant application is active and executing the second user dialog session:

- receiving a third signal from the second voice assistant application indicating that the second voice assistant application is uninterruptable;
- receiving fourth audio signals representing the first voice keyword;
- in response to reception of the fourth audio signals, determine that the second voice assistant application is uninterruptable and determine to not transmit an activation signal to the first voice assistant application;
- receive a fourth signal from the second voice assistant application indicating that the second voice assistant application is interruptable;
- receive fifth audio signals representing the first voice keyword; and
- in response to reception of the fifth audio signals, determine that the second voice assistant application is interruptable and transmit an activation signal to the first voice assistant application to activate the first voice assistant application and execute a third user dialog session.

5. A system comprising:
a plurality of voice assistant applications executed by at least a processor, a first voice assistant application of the plurality of voice assistant applications associated with a first voice keyword and a second voice assistant application of the plurality of voice assistant applications associated with a second voice keyword;

- a voice assistant activation component executed by at least the processor to:
 - detect a first user utterance representing the first voice keyword;
 - in response to detection of the first user utterance, transmit an activation signal to the first voice assistant application to activate the first voice assistant application and execute a first user dialog session;
 - while the first voice assistant application is active and executing the first user dialog session:
 - receive a signal from the first voice assistant application indicating that the first voice assistant application is uninterruptable;
 - receive a second user utterance representing the second voice keyword;

in response to reception of the second user utterance, determine that the first voice assistant application is uninterruptable and do not transmit an activation signal to the second voice assistant application;

receive a second signal from the first voice assistant application indicating that the first voice assistant application is interruptable;

receive a third user utterance representing the second voice keyword; and

in response to reception of the third user utterance, determine that the first voice assistant application is interruptable and transmit an activation signal to the second voice assistant application to activate the second voice assistant application and execute a second user dialog session.

6. A system according to claim 5, the voice assistant activation component to:
- while the second voice assistant application is active and executing the second user dialog session:

receive a third signal from the second voice assistant application indicating that the second voice assistant application is uninterruptable;

receive a fourth user utterance representing the first voice keyword;

in response to reception of the fourth user utterance, determine that the second voice assistant application is uninterruptable and determine to not transmit an activation signal to the first voice assistant application;

receive a fourth signal from the second voice assistant application indicating that the second voice assistant application is interruptable;

receive a fifth user utterance representing the first voice keyword; and

in response to reception of the fifth user utterance, determine that the second voice assistant application is interruptable and transmit an activation signal to the first voice assistant application to activate the first voice assistant application and execute a third user dialog session.