

CLAIMS

What is claimed is:

1. A bandwidth part BWP switching method in 3GPP New Radio performed by a terminal device, wherein the terminal device is configured with a timer and configured to receive signal on an active first BWP, the method comprising:

when the timer expires, determining to switch from the active first bandwidth part BWP to a second BWP, wherein the active first BWP is not the second BWP; and

wherein the method further comprises: determining, based on a discontinuous reception DRX state of the terminal device and a long DRX cycle, whether to start the timer, and

starting the timer when a duration when the terminal device is in the long DRX cycle is longer than a preset duration, or when a number of long DRX cycles is greater than a preset quantity, and

wherein the method further comprises:

stopping the timer when the terminal device is no longer in the long DRX cycle before the timer expires,

wherein the timer is a DRX-inactivity timer.

2. The method according to claim 1, further comprising:

obtaining the timer configured for the terminal device by network side.

3. The method according to claim 1 or 2, wherein the second BWP is a default BWP configured by a network.

4. The method according to claim 1, wherein when the timer expires, determining to switch from the active BWP to a second BWP comprises:

when the timer expires and a default BWP is configured, determining to switch from the active first BWP to the default BWP.

5. A terminal device for bandwidth part BWP switching in 3GPP New Radio configured with a timer and configured to receive signal on an active BWP, the terminal device, comprising:

a processing unit, configured to determine, when the timer expires, to switch from the active first bandwidth part BWP to a second BWP, wherein the active first BWP is not the second BWP,

wherein the processing unit is further configured to determine, based on a discontinuous reception DRX state of the terminal device and a long DRX cycle, whether to start the timer,

start the timer when a duration when the terminal device is in the long DRX cycle is longer than a preset duration, or start the timer when a number of long DRX cycles is greater than a preset quantity, and

stop the timer when the terminal device is no longer in the long DRX cycle before the timer expires,

wherein the timer is a DRX-inactivity timer.

6. The terminal device according to claim 5, further comprising:

an information obtaining unit, configured to obtain the timer configured for the terminal device by network side.

7. The terminal device according to claim 5 or 6, wherein the second BWP is a default BWP configured by a network.

8. The terminal device according to claim 5, wherein the processing unit is further configured to:

when the timer expires and a default BWP is configured, determine to switch from the active first BWP to the default BWP.