

CLAIMS

What is claimed is:

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

if the timer is expired, determining to switch from the active first bandwidth part BWP to a second BWP, wherein the active first BWP is not the second BWP.

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, wherein the determining to switch from the active first BWP to a second BWP comprises:

in a long DRX cycle, if the timer is expired, determining to switch from the active first BWP to the second BWP.

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

determining, based on a discontinuous reception DRX state of the terminal device and a long DRX cycle, whether to start the timer.

5. The method according to claim 4, wherein the determining, based on a DRX state of the terminal device and a long DRX cycle, whether to start the timer comprises:

determining to start the timer when a duration within which the DRX state of the terminal device is in the long DRX cycle is longer than a preset duration.

6. The method according to claim 4, wherein the determining, based on a DRX state of the terminal device and a long DRX cycle, whether to start the timer comprises:

determining to start the timer when a quantity of long DRX cycles that the DRX state of the terminal device is in is greater than a preset quantity.

7. The method according to claim 5 or 6, wherein after the determining to start the timer, the method further comprises:

stopping the timer if the terminal device is no longer in the long DRX cycle before the timer is expired.

8. The method according to any one of claims 1 to 7, wherein the second BWP is a default BWP configured by a network.

9. The method according to claim 1, wherein if the timer is expired, determining to switch from the active BWP to a second BWP comprises:

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

10. The method according to claim 1, wherein the timer is a DRX-inactivity timer.

11. A terminal device configured with a timer and configured to receive signal on an active BWP, the terminal device, comprising:

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

12. The terminal device according to claim 11, further comprising:

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

13. The terminal device according to claim 11, wherein the processing unit is further configured to:

in a long DRX cycle, if the timer is expired, determine to switch from the active first BWP to the second BWP.

14. The terminal device according to claim 11, wherein

the processing unit determines, based on a discontinuous reception DRX state of the terminal device and a long DRX cycle, whether to start the timer.

15. The terminal device according to claim 14, wherein the processing unit determines to start the timer when a duration within which the DRX state of the terminal device is in the long DRX cycle is longer than a preset duration.

16. The terminal device according to claim 14, wherein the processing unit determines to start the timer when a quantity of long DRX cycles that the DRX state of the terminal device is in is greater than a preset quantity.

17. The terminal device according to claim 15 or 16, wherein the processing unit stops the timer if the terminal device is no longer in the long DRX cycle before the timer is expired.

18. The terminal device according to any one of claims 11 to 17, wherein the second BWP is a default BWP configured by a network.

19. The terminal device according to claim 11, wherein the processing unit is further configured to:

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

20. The terminal device according to claim 11, wherein the timer is a DRX-inactivity timer.