

CLAIMS

1. A method for saving power of a terminal, comprising:

receiving a first power saving indication information;

5 wherein a bit corresponding to a designated carrier is configured in the first power saving indication information, and the bit is configured for indicating that a corresponding operation is to be performed on the designated carrier; and

wherein the designated carrier comprises a first carrier and wherein the first power saving indication information indicating that the first carrier is to be switched to a power saving state by

10 switching a first bandwidth part currently activated in the first carrier to a second bandwidth part in the first carrier; and

switching the first bandwidth part currently activated in the first carrier to the second bandwidth part in the first carrier, wherein using the second bandwidth part consumes less power than using the first bandwidth part.

15 2. The method of claim 1, further comprising:

before switching the first bandwidth part currently activated in the first carrier to the second bandwidth part in the first carrier, receiving, from a base station, a configuration of the second bandwidth part as a power saving bandwidth part.

20 3. The method of claim 1, wherein a dormant operation is performed, the dormant operation comprising: not performing a control channel monitoring operation on the second bandwidth part, and performing at least one of channel state information (CSI) measurement, automatic gain control (AGC) or beam management.

4. The method of claim 1, wherein the designated carrier further comprises a second carrier and the first power saving indication information is further configured for indicating that the second
25 carrier is to be switched to the power saving state, wherein the first carrier and the second carrier are configured for a same terminal.

5. The method of claim 1, wherein the bit is configured for indicating that at least one of the following operations is to be performed on the designated carrier:

switching a bandwidth part on the designated carrier or not performing a control channel

monitoring operation on the designated carrier.

6. The method of claim 1, wherein the first power saving indication information is downlink control information carrying a power saving indication identifier.

7. The method of claim 1, further comprising:

5 switching the first carrier in the power saving state to a non-power saving state.

8. The method of claim 7, wherein the switching the first carrier in the power saving state to the non-power saving state comprises:

receiving a switching indication indicating switching of the first carrier in the power saving state to the non-power saving state; and

10 switching the first carrier in the power saving state to the non-power saving state. 9. The method of claim 7 or 8, wherein the switching the first carrier in the power saving state to the non-power saving state comprises:

after a preset time period starting from the time receiving the switching indication, switching the first carrier in the power saving state to the non-power saving state .

15 10. An apparatus for saving power comprising a processor, the processor being configured to: receive a first power saving indication information;

wherein the first power saving indication information is configured with a bit corresponding to a designated carrier, and the bit is configured for indicating that a corresponding operation is to be performed on the designated carrier;

20 wherein the designated carrier comprises a first carrier and wherein the first power saving indication information indicating that the first carrier is to be switched to a power saving state by switching a first bandwidth part currently activated in the first carrier to a second bandwidth part in the first carrier; and

25 switch the first bandwidth part currently activated in the first carrier to the second bandwidth part in the first carrier, wherein using the second bandwidth part consumes less power than using the first bandwidth part.

11. The apparatus of claim 10, wherein the processor is further configured to:

before switching the first bandwidth part currently activated in the first carrier to the second

bandwidth part in the first carrier, receive, from a base station, a configuration of the second bandwidth part as a power saving bandwidth part.

12. The apparatus of claim 11, wherein the processor is further configured to perform a dormant operation, the dormant operation comprising not performing a control channel monitoring operation on the second bandwidth part, and performing at least one of channel state information (CSI) measurement, automatic gain control (AGC) or beam management.

13. The apparatus of claim 10, wherein the designated carrier further comprises a second carrier and the first power saving indication information is further configured for indicating switching of the second carrier to the power saving state, wherein the first carrier and the second carrier are configured for a same terminal; or

wherein the bit is configured for indicating that at least one of the following operations is to be performed on the designated carrier:

switching a bandwidth part on the designated carrier or not performing a control channel monitoring operation on the designated carrier; or

15 wherein the first power saving indication information is downlink control information carrying a power saving indication identifier.

14. The apparatus of claim 10, wherein the processor is further configured to:

switch the first carrier in the power saving state to a non-power saving state, wherein the switching preferably comprises:

20 receive a switching indication indicating switching of the first carrier in the power saving state to the non-power saving state; and

switch the first carrier in the power saving state to the non-power saving state.

15. The apparatus of claim 14, wherein the processor is further configured to:

25 after a preset time period starting from the time receiving the switching indication, switch the first carrier in the power saving state to the non-power saving state.