CLAIMS

What is claimed is:

1. An uplink power control method, comprising:

receiving first indication information from a network device, the first indication information indicating first precoding information and second precoding information, the first precoding information corresponding to a first physical uplink shared channel (PUSCH) repetition, and the second precoding information corresponding to a second PUSCH repetition;

determining a first group of power control parameters corresponding to the first precoding information and a second group of power control parameters corresponding to the second precoding information by determining, from a power control parameter set according to a preset rule, the first group of power control parameters corresponding to the first precoding information and the second group of power control parameters corresponding to the second precoding information, the preset rule comprising the first group of power control parameters and the second group of power control parameters being two groups of power control parameters with smallest indexes in the power control parameter set;

determining first transmit power based on the first group of power control parameters, and sending the first PUSCH repetition based on the first transmit power and the first precoding information; and

determining second transmit power based on the second group of power control parameters, and sending the second PUSCH repetition based on the second transmit power and the second precoding information.

2. The method according to claim 1, wherein the method further comprises:

receiving second indication information from the network device, the second indication information indicating the first group of power control parameters and the second group of power control parameters, the determining a first group of power control parameters corresponding to the first precoding information and a second group of power control parameters corresponding to the second precoding information comprising:

determining, from a power control parameter set based on the second indication information, the first group of power control parameters corresponding to the first precoding information and

the second group of power control parameters corresponding to the second precoding information.

3. The method according to claim 1, the first indication information indicating the first group of power control parameters and the second group of power control parameters .

4. An uplink power control method, comprising:

sending first indication information to a terminal device, the first indication information indicating first precoding information and second precoding information, the first precoding information corresponding to a first group of power control parameters for a first physical uplink shared channel (PUSCH) repetition, and the second precoding information corresponding to a second group of power control parameters for a second PUSCH repetition;

determining, from a power control parameter set according to a preset rule, the first group of power control parameters corresponding to the first precoding information, wherein the preset rule comprises either of two groups of power control parameters with smallest indexes in the power control parameter set being the first group of power control parameters; and

receiving the first PUSCH repetition from the terminal device based on the first precoding information.

5. The method according to claim 4, the method comprising:

sending second indication information to the terminal device, the second indication information indicating the first group of power control parameters and the second group of power control parameters in a power control parameter set.

6. The method according to claim 4, the first indication information indicating the first group of power control parameters and the second group of power control parameters.

7. An uplink power control apparatus, comprising:

a receiver configured to receive first indication information from a network device, the first indication information indicating first precoding information and second precoding information, the first precoding information corresponding to a first physical uplink shared channel (PUSCH) repetition, and the second precoding information corresponding to a second PUSCH repetition;

a processor configured to:

determine a first group of power control parameters corresponding to the first precoding information and a second group of power control parameters corresponding to the second precoding information;

determine, from a power control parameter set according to a preset rule, the first group of power control parameters corresponding to the first precoding information and the second group of power control parameters corresponding to the second precoding information, the preset rule comprising the first group of power control parameters and the second group of power control parameters being two groups of power control parameters with smallest indexes in the power control parameter set;

determine first transmit power based on the first group of power control parameters and send the first PUSCH repetition based on the first transmit power and the first precoding information; and

determine second transmit power based on the second group of power control parameters and send the second PUSCH repetition based on the second transmit power and the second precoding information.

8. The apparatus according to claim 7, the receiver being further configured to:

receive second indication information from the network device, the second indication information indicating the first group of power control parameters and the second group of power control parameters; and

the processor is configured to:

determine, from a power control parameter set based on the second indication information, the first group of power control parameters corresponding to the first precoding information and the second group of power control parameters corresponding to the second precoding information.

9. The apparatus according to claim 7, the first indication information indicating the first group of power control parameters and the second group of power control parameters.

10. An uplink power control apparatus, comprising:

a transmitter configured to send first indication information to a terminal device, the first

indication information indicating first precoding information and second precoding information, the first precoding information corresponding to a first group of power control parameters for a first physical uplink shared channel (PUSCH) repetition, and the second precoding information corresponding to a second group of power control parameters for a second PUSCH repetition;

a processor configured to determine, from a power control parameter set according to a preset rule, the first group of power control parameters corresponding to the first precoding information, wherein the preset rule comprises either of two groups of power control parameters with smallest indexes in the power control parameter set being the first group of power control parameters; and

a receiver configured to receive the first PUSCH repetition from the terminal device based on the first precoding information.

11. The apparatus according to claim 10, wherein the transmitter is configured to:

send second indication information to the terminal device, the second indication information indicating the first group of power control parameters and the second group of power control parameters in a power control parameter set.

12. The apparatus according to claim 10, wherein the first indication information indicates the first group of power control parameters and the second group of power control parameters.