CLAIMS

What is claimed is:

1. A method for selecting an uplink transmission resource, applied to a terminal and comprising:

using Physical Uplink Shared Channel (PUSCH) resources on M carriers for uplink transmission if a priority of a first PUSCH resource on the M carriers is higher than or equal to a priority of a Physical Uplink Control Channel (PUCCH) resource on N carriers; wherein no more than one PUSCH resource is available on each of the M carriers;

wherein the using PUSCH resources on M carriers for uplink transmission comprises:

using the first PUSCH resource and a second PUSCH resource for uplink transmission, wherein the second PUSCH resource is on the M carriers, and a priority of the second PUSCH resource is lower than the priority of the PUCCH resource on the N carriers;

the PUSCH resources on the M carriers collide with the PUCCH resource on the N carriers, the M carriers and the N carriers belong to a same cell group, M=2 and N=1.

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

using the PUCCH resource on the N carriers for uplink transmission if a priority of each of all PUSCH resources on the M carriers is lower than the priority of the PUCCH resource on the N carriers.

3. The method according to claim 1 or 2, wherein that the PUSCH resources on the M carriers collide with the PUCCH resource on the N carriers comprises: each of the PUSCH resources on the M carriers collides with the PUCCH resource on the N carriers.

4. The method according to claim 3, wherein that each of the PUSCH resources on the M carriers collides with the PUCCH resource on the N carriers comprises: duration of each of the PUSCH resources on the M carriers overlaps with duration of the PUCCH resource on the N carriers.

5. The method according to any one of claims 1 to 4, wherein the PUCCH resource is used to carry a scheduling request (SR), and the priority of the PUCCH resource is determined according to a priority of a logical channel (LCH) that triggers a buffer status report (BSR), wherein the BSR further triggers the SR, wherein the priority of the LCH is defined in a protocol or configured by a network side.

6. A terminal, comprising:

a selecting module, configured to use Physical Uplink Shared Channel (PUSCH) resources on M carriers for uplink transmission if a priority of a first PUSCH resource on the M carriers is higher than or equal to a priority of a Physical Uplink Control Channel (PUCCH) resources on N carriers; wherein no more than one PUSCH resource is available on each of the M carriers,

wherein the selecting module is further configured to:

use the first PUSCH resource and a second PUSCH resource for uplink transmission, wherein the second PUSCH resource is on the M carriers, and a priority of the second PUSCH resource is lower than the priority of the PUCCH resource on the N carriers;

the PUSCH resources on the M carriers collide with the PUCCH resource on the N carriers, the M carriers and the N carriers belong to a same cell group, M=2 and N=1.

7. The terminal according to claim 6, wherein the selecting module is further configured to:

use the PUCCH resource on the N carriers for uplink transmission if a priority of every one of all PUSCH resources on the M carriers is lower than the priority of PUCCH resource on the N carriers.

8. The terminal according to claim 6 or 7, wherein that the PUSCH resources on the M carriers collide with the PUCCH resource on the N carriers comprises: each of the PUSCH resources on the M carriers collides with the PUCCH resource on the N carriers.

9. The terminal according to claim 8, wherein that each of the PUSCH resources on the M carriers collides with the PUCCH resource on the N carriers comprises:

duration of each of the PUSCH resources on the M carriers overlaps with duration of the PUCCH resource on the N carriers.

10. The terminal according to any one of claims 6 to 9, wherein the PUCCH resource is used to carry a scheduling request (SR), and the priority of the PUCCH resource is determined according to a priority of a logical channel (LCH) that triggers a buffer status report (BSR), wherein the BSR further triggers the SR, wherein the priority of the LCH is defined in a protocol or configured by a network side.

11. A terminal, comprising a processor, a memory, and a program stored in the memory and capable of running on the processor, wherein when the program is executed by the processor, the steps of the method for selecting an uplink transmission resource according to any one of claims 1 to 5 are implemented.

12. A computer-readable storage medium storing a computer program thereon, wherein when the computer program is executed by a processor, the steps of the method for selecting an uplink transmission resource according to any one of claims 1 to 5 are implemented.