CLAIMS

1. A communication method, wherein the method comprises:

receiving a first request, wherein the first request is used to request to create a first data channel, the first data channel is a data channel between a first communication apparatus and a second communication apparatus and is used to carry data of a first application, and the first data channel is associated with an internet protocol multimedia subsystem IMS session between the first communication apparatus and the second communication apparatus; and

if there is one or more created connection capable of carrying the first data channel, sending a response to the first request, wherein the response comprises first media description information, the first media description information comprises first indication information, the first indication information indicates a first connection, and the first connection is a connection corresponding to the first data channel in the created connections; or

if there is no created connection capable of carrying the first data channel, sending a response to the first request and creating a second connection, wherein the response comprises second media description information, the second media description information comprises second indication information, the second indication information indicates the second connection, and the second connection is a connection corresponding to the first data channel.

2. The method according to claim 1, wherein the first indication information comprises internet protocol address information, user datagram protocol port information, and stream control transmission protocol port information.

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

receiving a second request, wherein the second request is used to request to create a second data channel, the second data channel is used to carry data of a second application, and the second application is different from the first application; and

if the created connection is not capable of carrying the second data channel, sending a response to the second request and creating a third connection, wherein the response to the second request comprises third media description information, the third media description information comprises third indication information corresponding to the second data channel, and the third indication information indicates the third connection;

if the first connection is capable of carrying the second data channel, sending a response to the second request, wherein the response to the second request comprises fourth media description information, and the fourth media description information comprises the first indication information; or

if the second connection is capable of carrying the second data channel, sending a response

to the second request, wherein the response to the second request comprises fifth media description information, and the fifth media description information comprises the second indication information.

4. The method according to claim 3, wherein that the second connection is capable of carrying the second data channel comprises:

a quality-of-service requirement of the second data channel is the same as a quality-of-service requirement of the first data channel; or

a quality-of-service requirement of the second data channel is lower than a quality-of-service requirement of the first data channel.

5. The method according to claim 4, wherein that the second connection is capable of carrying the second data channel further comprises:

the second data channel is a data channel between the first communication apparatus and the second communication apparatus.

6. The method according to any one of claims 3 to 5, wherein the method further comprises:

sending sixth media description information to a network side, wherein the sixth media description information comprises information about the connection corresponding to the first data channel and information about a connection corresponding to the second data channel.

7. The method according to claim 6, wherein the sixth media description information further comprises identification information of the first data channel and identification information of the second data channel.

8. The method according to any one of claims 1 to 7, wherein the method further comprises:

if the first request comprises information about the first connection, determining that the first connection is capable of carrying the first data channel; or

if the first request does not comprise the information about the connection corresponding to the first data channel, determining that none of created connections is capable of carrying the first data channel.

9. A communication apparatus, comprising a processor, wherein the processor is coupled to a memory, the memory is configured to store a program or instructions, and when the program or the instructions are executed by the processor, the apparatus is caused to perform the method according to any one of claims 1 to 8.

10. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program or instructions, and when the computer program or the instructions are executed, a computer is caused to perform the method according to any one of claims 1 to 8.

11. A computer program product, wherein the computer program product comprises computer program code, and when the computer program code is run on a computer, the computer is caused

to implement the method according to any one of claims 1 to 8.

12. A chip system, comprising at least one processor and an interface, wherein the at least one processor is coupled to a memory through the interface, and when the at least one processor executes a computer program or instructions in the memory, the method according to any one of claims 1 to 8 is performed.