Table 1

paging group	paging grouping resource
paging group 1	paging grouping resources 1 and 2
paging group 2	paging grouping resources 3 and 4
paging group 3	paging grouping resource 5

[0072] In an embodiment, the mapping relation between the paging group and the paging grouping resource may be that multiple paging groups map to one or more paging grouping resources. For example, as shown in Table 2 below, 6 paging groups in which the UE is located are assigned by the network, which are paging group 1, paging group 2, paging group 3, paging group 4, paging group 5 and paging group 6, and 5 paging grouping resources are assigned by the network, i.e., paging grouping resource 1, paging grouping resource 2, paging grouping resource 3, paging grouping resource 4 and paging grouping resource 5. Paging groups 1 and 2 map to paging grouping resources 1 and 2, paging groups 3 and 4 map to paging grouping resource 3 and 4, paging groups 5 and 6 map to paging grouping resource 5. Certainly, the mapped paging grouping resources can be overlapped. For example, in Table 2, paging groups 3 and 4 may map to paging grouping resources 1, 2, 3 and 4.

Table 2

paging group	paging grouping resource
paging groups 1 and 2	paging grouping resources 1 and 2
paging groups 3 and 4	paging grouping resources 3 and 4
paging groups 5 and 6	paging grouping resource 5

[0073] It is understood that each element in Table 1 or Table 2 above exists independently and are exemplarily listed in the same table, but it does not mean that all of the elements shown in the table must exist at the same time as shown in the table. The value of each of these elements is independent of any other element value in Table 1 or Table 2. Therefore, those skilled in the art can understand that the value of each element in the Table 1 or Table 2 is an independent embodiment.

[0074] In an embodiment, the paging grouping mode includes at least one of: a network-assigned paging grouping mode and a UE-ID-based paging grouping mode.

[0075] For example, the base station may implicitly or explicitly indicate the UE that the base station supports the network-assigned paging grouping mode. The explicit indication means

not sending the paging grouping resource information.

[00100] For example, if the base station determines that the base station neither supports the network-assigned paging grouping mode nor the UE-ID-based paging grouping mode, the base station sends the paging group information but does not send the paging grouping resource information, or the base station neither sends the paging group information nor the paging grouping resource information. In this way, the UE can learn that the base station neither supports the network-assigned paging grouping mode nor the UE-ID-based paging grouping mode.

[00101] It is noted that those skilled in the art may understand that the methods provided by the embodiments of the disclosure may be performed alone or in combination with some of the methods in the embodiments of the disclosure or some of the methods in the related art.

[00102] The following information processing method is performed by a UE, which is similar to the description of the information processing method performed by the base station as described above. Technical details not disclosed in the embodiments of the information processing method performed by the UE can refer to the description of the examples of the information processing method performed by the base station, which will not be described and illustrated in detail herein.

[00103] As illustrated in FIG. 4, an embodiment of the disclosure provides an information processing method, which is performed by the UE. The method includes the following steps.

[00104] At step S41, first information is received.

[00105] At step S42, a paging grouping mode supported by a base station is determined based on the first information, and/or, a mapping relation between a paging group determined by the paging grouping mode supported by the base station and a paging grouping resource is determined based on the first information.

[00106] In the above embodiments, step S42 may include: determining the paging grouping mode supported by the base station based on first information, and/or, determining the mapping relation between the paging group mode supported by the base station and the paging grouping resource based on the first information.

[00107] In some possible embodiments in the embodiments of the disclosure, the first information is the first information in step S21, and the paging grouping mode may be the paging grouping mode in step S21.

[00108] In an embodiment, step S42 may include: determining the paging grouping mode

WHAT IS CLAIMED IS:

1. An information processing method, performed by a base station, comprising:

sending first information, wherein the first information is configured to determine at least one of: a paging grouping mode supported by the base station, or a mapping relation between a paging group determined by the paging grouping mode supported by the base station and a paging grouping resource.

2. The method of claim 1, wherein the first information comprises:

paging grouping resource information;

or,

paging group information and the paging grouping resource information;

wherein the paging group information indicates the paging group, a paging grouping mode adopted by the paging group is the paging grouping mode supported by the base station, and the paging grouping resource information indicates a paging grouping resource allocated to the paging group indicated by the paging group information.

3. The method of claim 1 or 2, wherein,

one paging group maps to one or more paging grouping resources; or, a plurality of paging groups map to one or more paging grouping resources.

4. The method of any one of claims 1-3, wherein the paging grouping mode comprises at least one of:

a network-assigned paging grouping mode; or

a user equipment (UE)-identifier (ID)-based paging grouping mode.

5. The method of claim 4, wherein sending the first information comprises one of:

determining that the base station supports the network-assigned paging grouping mode, and sending relation information indicating the mapping relation between the paging group and the paging grouping resource; or

determining that the base station supports the UE-ID-based paging grouping mode and does not support the network-assigned paging grouping mode, and sending paging grouping resource information.

6. The method of any one of claims 4-5, further comprising:

determining that the base station neither supports the network-assigned paging grouping

mode nor supports the UE-ID-based paging grouping mode, not sending the paging grouping resource information.

7. The method of claim 5 or 6, wherein sending the first information comprises one of:

determining that the base station supports the network-assigned paging grouping mode and does not support the UE-ID-based paging grouping mode, and sending the relation information indicating the mapping relation between the paging group and the paging grouping resource; or

determining that the base station supports both the network-assigned paging grouping mode and the UE-ID-based paging grouping mode, and sending the relation information indicating the mapping relation between the paging group and the paging grouping resource.

8. An information processing method, performed by a user equipment (UE), comprising:

receiving first information; and

determining, based on the first information, at least one of: a paging grouping mode supported by a base station, or a mapping relation between a paging group determined by the paging grouping mode supported by the base station and a paging grouping resource.

9. The method of claim 8, wherein the first information comprises:

paging grouping resource information;

or,

paging group information and the paging grouping resource information, wherein, the paging group information indicates the paging group, a paging grouping mode adopted by the paging group is the paging grouping mode supported by the base station, and the paging grouping resource information indicates a paging grouping resource allocated to the paging group indicated by the paging group information.

10. The method of claim 8 or 9, wherein,

one paging group maps to one or more paging grouping resources; or, a plurality of paging groups map to one or more paging grouping resources.

11. The method of any one of claims 8-10, wherein the paging grouping mode comprises at least one of:

a network-assigned paging grouping mode; or

a UE-identifier (ID)-based paging grouping mode.

12. The method of claim 11, wherein determining the paging grouping mode supported by the base station based on the first information comprises at least one of:

determining that the first information comprises relation information indicating the mapping relation between the paging group and the paging grouping resource, and determining that the base station supports the network-assigned paging grouping mode;

determining that the first information comprises paging grouping resource information, and determining that the base station does not support the network-assigned paging grouping mode;

determining that the first information comprises the paging grouping resource information, and determining that the base station supports the UE-ID-based paging grouping mode and does not support the network-assigned paging grouping mode; or

determining that the first information not comprises the paging grouping resource information, and determining that the base station neither supports the network-assigned paging grouping mode nor the UE-ID-based paging grouping mode.

13. The method of claim 12, further comprising:

determining that the first information comprises the relation information, and determining a paging grouping resource corresponding to a paging group where the UE is located based on the relation information.

14. The method of claim 13, wherein determining the paging grouping resource corresponding to the paging group where the UE is located based on the relation information, comprises:

determining that the relation information comprises paging group information of the paging group where the UE is located, and determining the paging grouping resource corresponding to the paging group where the UE is located based on the relation information.

15. The method of claim 12, further comprising:

determining that the first information comprises the relation information, and determining the paging grouping resource corresponding to a paging group where the UE is located based on the relation information and a number of paging grouping resources mapping to the paging group in the relation information.

16. An information processing apparatus, applied to a base station, comprising:

a sending module, configured to send first information, wherein the first information is configured to determine at least one of: a paging grouping mode supported by the base station, or a mapping relation between a paging group determined by the paging grouping mode supported by the base station and a paging grouping resource.

17. The apparatus of claim 16, wherein the first information comprises:

paging grouping resource information;

or,

paging group information and the paging grouping resource information;

wherein the paging group information indicates the paging group, a paging grouping mode adopted by the paging group is the paging grouping mode supported by the base station, and the paging grouping resource information indicates a paging grouping resource allocated to the paging group indicated by the paging group information.

18. An information processing apparatus, applied to a user equipment (UE), comprising:

a receiving module, configured to receive first information; and

a second processing module, configured to determine, based on the first information, at least one of: a paging grouping mode supported by a base station, or a mapping relation between a paging group determined by the paging grouping mode supported by the base station and a paging grouping resource.

19. A communication device, comprising:

a processor; and

a memory for storing instructions executable by the processor; wherein

the processor is configured to, when executes the executable instructions, perform the information processing method of any one of claims 1-7 or claims 8-15.

20. A computer storage medium having computer executable programs stored thereon, wherein when the executable programs are executed by a processor, the information processing method of any one of claims 1-7 or claims 8-15 is implemented.