

RESOURCE SCHEDULING METHOD, BASE STATION, AND USER EQUIPMENT

ABSTRACT

Embodiments of the present invention provide a resource scheduling method, a base station,
5 and user equipment. The method includes: receiving a scheduling request from user equipment UE;
determining a scheduling type of the UE, where the scheduling type is edge UE or non-edge UE;
scheduling, by a base station, a frequency resource for the UE according to the scheduling type of
the UE and a frequency resource configuration of a serving cell of the UE; and sending, to the UE,
scheduling information used to indicate the frequency resource scheduled by the base station for the
10 UE, where the frequency resource configuration includes a public frequency resource and a
dedicated frequency resource; virtual multiple-input multiple-output VMIMO pairing is allowed on
the public frequency resource, and the public frequency resource is capable of being used to
schedule edge UE and non-edge UE; and VMIMO pairing is not allowed on the dedicated
frequency resource, and the dedicated frequency resource is capable of being used to schedule only
15 edge UE. According to the embodiments of the present invention, a scheduling type of UE is
determined; therefore, edge UE is preferentially scheduled on a configured dedicated frequency
resource, and VMIMO pairing is not performed, thereby improving a throughput and performance
of the edge UE while a throughput of an entire VMIMO system is ensured.

20

FIGURE 1