

PRECODING MATRIX INDICATION METHOD, USER EQUIPMENT, AND ACCESS DEVICE

ABSTRACT

Embodiments of the present invention provide a precoding matrix indication method, user
5 equipment, and an access device. The precoding matrix indication method includes: generating
indication information, where the indication information indicates $K^{NZ} - v$ non-zero weighting
coefficients, the $K^{NZ} - v$ non-zero weighting coefficients belong to K^{NZ} non-zero weighting
coefficients, v is a quantity of transport layers, the K^{NZ} non-zero weighting coefficients are
used to construct a precoding matrix, and the precoding matrix is constructed based on at least the
10 K^{NZ} non-zero weighting coefficients, m spatial domain vectors, and n frequency domain
vectors, where the indication information is generated in a first manner when a first preset
condition is met, or the indication information is generated in a second manner when a second
preset condition is met; and sending the indication information. Embodiments of the present
invention further provide user equipment and an access device. Parameters related to a precoding
15 matrix may be sent in different manners based on different conditions, to resolve a problem that a
current protocol is not perfect, so that a reporting solution is applicable to a plurality of
configuration scenarios.

Fig. 2