

According to the invention, the mobile stations are also designated by short identifiers. During the air interface configuration process, the mobile stations are assigned time slots for signaling in the upwards direction. One or a plurality of time slots for signaling in the upwards direction is/are assigned according to a predetermined sequence, assignment being brought about by indicator messages containing short identifiers and time slot designations. Assignment is thus independent of a sequence of packet data transmission from or to the mobile station.