

USER APPARATUS, BASE STATION APPARATUS AND METHOD
IN MOBILE COMMUNICATIONS SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A user apparatus in a mobile communications system
is disclosed. The user apparatus includes a unit which
receives, from a base station apparatus, a downlink control
signal including information for allocating a radio
resource; a unit which determines, depending on a channel
10 status, a pre-encoding matrix indicator (PMI) which
indicates a pre-encoding matrix to be applied to multiple
antennas of the base station apparatus; and a unit which
transmits, to the base station apparatus, an uplink signal
including the PMI, wherein, if the radio resource is
15 allocated to a physical uplink shared channel of the user
apparatus, the PMI is transmitted using a part of the radio
resource, and, wherein, if the radio resource is not
allocated to the physical uplink shared channel of the user
apparatus, the PMI is transmitted in a physical uplink
20 control channel which is allocated, in a fixed manner, to
the user apparatus.

Figure 5