

Title (en)
TERMINAL AND COMMUNICATION METHOD

Title (de)
ENDGERÄT UND KOMMUNIKATIONSVERFAHREN

Title (fr)
TERMINAL ET PROCÉDÉ DE COMMUNICATION

Publication
EP 4131653 A1 20230208 (EN)

Application
EP 21775949 A 20210210

Priority
• JP 2020058849 A 20200327
• JP 2021005055 W 20210210

Abstract (en)
A terminal (200) comprises: a control unit (203) which determines a direction of transmitting a radio wave on the basis of a direction of arrival of a desired wave or a direction of arrival of an interference wave; and a transmission direction restriction unit (205) which is provided near an antenna (204) and restricts the direction of transmitting the radio wave in accordance with the determination of the control unit (203). The transmission direction restriction unit (205) includes a plurality of metasurface units each including a metasurface substrate, and a dielectric substrate arranged to be opposed to the metasurface substrate. The control unit (203) adjusts the distance between the metasurface substrate and the dielectric substrate of each metasurface unit.

IPC 8 full level
H01Q 15/02 (2006.01); **H01Q 19/06** (2006.01)

CPC (source: EP)
H01Q 1/241 (2013.01); **H01Q 3/14** (2013.01); **H01Q 3/2611** (2013.01); **H01Q 3/44** (2013.01); **H01Q 15/0066** (2013.01); **H01Q 15/0086** (2013.01); **H01Q 19/06** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4131653 A1 20230208; **EP 4131653 A4 20240327**; JP 2021158600 A 20211007; JP 7284731 B2 20230531; WO 2021192694 A1 20210930

DOCDB simple family (application)
EP 21775949 A 20210210; JP 2020058849 A 20200327; JP 2021005055 W 20210210