

Title (en)
METASURFACE DEVICE

Title (de)
META OBERFLÄCHENVORRICHTUNG

Title (fr)
DISPOSITIF A METASURFACE

Publication
EP 4189772 A1 20230607 (FR)

Application
EP 21759241 A 20210720

Priority
• FR 2008095 A 20200730
• EP 2021070288 W 20210720

Abstract (en)
[origin: WO2022023125A1] A metasurface device comprising a ground structure (7) able to have a ground plane function, the ground structure (7) being able to be, alternately, in an insulating state in which it prevents the propagation of the surface wave over the front surface (22) of a substrate (2) so as to prevent the antenna element from radiating, and in a conducting state in which the ground structure (7) has the ground plane function for propagating the surface wave over the front surface (22) of the substrate (2) from the transceiver device to the conductive tabs, or vice versa, the ground structure (7) being able to change from the insulating state to the conducting state by virtue of the ground structure (7) being illuminated at what is called a switching wavelength.

IPC 8 full level
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BA ME

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KH MA MD TN

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