

Title (en)

ELEMENTARY MICROSTRIP ANTENNA AND ARRAY ANTENNA

Title (de)

ELEMENTARE MIKROSTREIFENANTENNE UND GRUPPENANTENNE

Title (fr)

ANTENNE MICRORUBAN ÉLÉMENTAIRE ET ANTENNE RÉSEAU

Publication

EP 3900113 A1 20211027 (FR)

Application

EP 19829574 A 20191219

Priority

- FR 1873475 A 20181220
- EP 2019086495 W 20191219

Abstract (en)

[origin: WO2020127854A1] A microstrip-type elementary antenna (1) comprising a stack of layers, the elementary antenna being capable of being in a planar configuration in which the layers are substantially planar and perpendicular to a stacking axis (z) along which the layers are stacked, the stack comprising a first conductive radiating element (1) and an exciting device (B) coupled to the first radiating element (1) so as to allow the radiating element (1) to be excited in accordance with two orthogonal linear polarisations, the exciting device (B) comprising first, second, third and fourth conductive lines interposed between the first radiating element (1) and first and second power dividers (11, 21) along the stacking axis (z), the first power divider (11) and the second power divider (21) being coplanar.

IPC 8 full level

H01Q 5/35 (2015.01); **H01Q 9/04** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)

H01Q 5/35 (2015.01); **H01Q 9/0414** (2013.01); **H01Q 9/0457** (2013.01); **H01Q 21/24** (2013.01)

Citation (search report)

See references of WO 2020127854A1

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

DOCDB simple family (publication)

WO 2020127854 A1 20200625; EP 3900113 A1 20211027; EP 3900113 B1 20230301; ES 2940567 T3 20230509; FR 3091046 A1 20200626; FR 3091046 B1 20210430

DOCDB simple family (application)

EP 2019086495 W 20191219; EP 19829574 A 20191219; ES 19829574 T 20191219; FR 1873475 A 20181220