

Title (en)
A GRID ANTENNA

Title (de)
GITTERANTENNE

Title (fr)
ANTENNE À GRILLE

Publication
EP 3987609 A1 20220427 (EN)

Application
EP 20826410 A 20200518

Priority
• ZA 201904019 A 20190621
• ZA 201904875 A 20190725
• IB 2020054700 W 20200518

Abstract (en)
[origin: WO2020254886A1] The invention relates to an ultra-high frequency television antenna (1) having a grid-type reflector (2) and an array of dipole elements (3) mounted onto two spaced apart, insulated supports (4). The reflector comprises at least two separate grid components (2.1; 2.2) that are releasably securable relative to each other to enable an overlapping, packing arrangement of the grid components. In use, the grid components are rigidly secured in an extended condition to provide a working grid assembly of the reflector. Each pair of dipole elements is provided by a dipole assembly comprising a V-shaped rod with a fixed mounting plate and a captive tightening screw.

IPC 8 full level
H01Q 1/12 (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)
H01Q 1/12 (2013.01); **H01Q 1/1235** (2013.01); **H01Q 9/28** (2013.01); **H01Q 19/108** (2013.01); **H01Q 21/08** (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

DOCDB simple family (publication)
WO 2020254886 A1 20201224; CN 113196564 A 20210730; EP 3987609 A1 20220427; EP 3987609 A4 20230726; ZA 202200954 B 20240228

DOCDB simple family (application)
IB 2020054700 W 20200518; CN 202080006820 A 20200518; EP 20826410 A 20200518; ZA 202200954 A 20220120