Title (en)

INTERNAL CONDUCTOR DEVICE FOR A WAVEGUIDE RADIATOR

Title (de)

INNENLEITERVORRICHTUNG FÜR EINEN HOHLLEITER-STRAHLER

Title (fr)

DISPOSITIF DE CONDUIT INTERNE POUR UN ÉMETTEUR DE RAYONNEMENT À CONDUCTEUR CREUX

Publication

EP 3817147 B1 20230719 (DE)

Application

EP 19206608 A 20191031

Priority

EP 19206608 A 20191031

Abstract (en)

[origin: CA3156228A1] The invention is based on an internal conductor device for a waveguide radiator (12a; 12b), in particular for a waveguide radiator (12a; 12b) comprising at least one slotted waveguide (14a), comprising at least one carrier rail (16a; 16b), comprising at least one dielectric unit (18a; 18b) arranged on the at least one carrier rail (16a; 16b) and having at least one dielectric element (20a, 20a', 20a''; 20b), and comprising at least one internal conductor (22a; 22b) arranged on the at least one dielectric unit (18a; 18b). It is proposed that the at least one internal conductor (22a; 22b) is at least substantially mechanically fixed on the at least one dielectric element (20a, 20a', 20a''; 20b) and/or that the at least one dielectric element (20a, 20a', 20a''; 20b) is at least substantially mechanically fixed on the at least one carrier rail (16a; 16b).

IPC 8 full level

H01Q 21/00 (2006.01); **H01Q 3/44** (2006.01); **H01Q 13/20** (2006.01); **H01Q 13/22** (2006.01)

CPC (source: EP KR US)

H01Q 3/443 (2013.01 - EP KR); **H01Q 13/203** (2013.01 - EP KR US); **H01Q 13/22** (2013.01 - EP KR); **H01Q 21/005** (2013.01 - EP KR US)

Citation (examination)

- EP 2830156 A1 20150128 - ASTRIUM GMBH [DE]
- US 2019372237 A1 20191205 - YMAN NICLAS J [SE], et al

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

DOCDB simple family (publication)

EP 3817147 A1 20210505; **EP 3817147 B1 20230719**; CA 3156228 A1 20210506; KR 20220088498 A 20220627; US 2024186710 A1 20240606; WO 2021083661 A1 20210506

DOCDB simple family (application)

EP 19206608 A 20191031; CA 3156228 A 20201013; EP 2020078799 W 20201013; KR 20227018484 A 20201013; US 202017773473 A 20201013