

Title (en)
BROAD-SCALE LIGHTENING PROTECTION DEVICE

Title (de)
BREITBANDIGE BLITZSCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF PARAFoudre A LARGE BANDE

Publication
EP 1405369 B1 20060531 (DE)

Application
EP 02738014 A 20020430

Priority
• DE 10133359 A 20010710
• EP 0204761 W 20020430

Abstract (en)
[origin: WO03007424A1] The invention relates to a lightening protection device for high frequency lines having a defined impedance level, whereby the lightening protection device (1) comprises a waveguide (5) arranged in a lightening protection support (2) and a pitch conductor (8) branching from said wave guide, the end of the conductor opposite a connecting point (9) with the waveguide (5) being connected to a ground potential. The waveguide (5) of the lightening protection device (1) is made of two waveguide conductor sections (13a, 13b), whereby the impedance level thereof is lower than the impedance level of the connected high frequency line. The impedance level of the pitch conductor (8) is higher than the impedance level of the connected high frequency line.

IPC 8 full level
H01Q 1/50 (2006.01); **H01P 1/202** (2006.01); **H01P 1/30** (2006.01)

CPC (source: EP)
H01Q 1/50 (2013.01)

Citation (examination)
• US 3970969 A 19760720 - SIREL MICHEL, et al
• GB 2189942 A 19871104 - PHILIPS ELECTRONIC ASSOCIATED
• US 4542358 A 19850917 - BOBY JOEL [FR]

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 03007424 A1 20030123; DE 10133359 A1 20030123; DE 50207019 D1 20060706; EP 1405369 A1 20040407; EP 1405369 B1 20060531; JP 2004535132 A 20041118; JP 3960970 B2 20070815

DOCDB simple family (application)
EP 0204761 W 20020430; DE 10133359 A 20010710; DE 50207019 T 20020430; EP 02738014 A 20020430; JP 2003513080 A 20020430