

Title (en)
Primary radiator and antenna apparatus

Title (de)
Primärstrahler und Antennenvorrichtung

Title (fr)
Radiateur primaire et appareil d'antenne

Publication
EP 2565984 B1 20190821 (EN)

Application
EP 12174634 A 20120702

Priority
• JP 2011185918 A 20110829
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Abstract (en)
[origin: EP2565984A1] Disclosed is a primary radiator in which a central portion (3) of a subreflector (2) is formed in a conical shape, grooves (4) extending, in relation to their depth direction, parallel to an axis of a circular waveguide (1) are formed cylindrically in a surrounding portion of the subreflector (2) surrounding the central portion (3) formed in a conical shape, and a portion extending from the grooves (4) formed in the surrounding portion of the subreflector (2) to a peripheral portion (5) of the subreflector (2) has a sloped structure which is formed in such a way that the peripheral portion (5) projects toward the circular waveguide (1).

IPC 8 full level
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CPC (source: EP)
H01Q 1/528 (2013.01); **H01Q 19/134** (2013.01); **H01Q 19/193** (2013.01)

Citation (examination)
JP H01212102 A 19890825 - AGENCY IND SCIENCE TECHN

Cited by
CN109962343A; EP3913745A4; CN113140897A; EP3561956A1; US12021303B2; US11367958B2; US10727607B2; WO2022063479A1

Designated contracting state (EPC)
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EP 2565984 A1 20130306; EP 2565984 B1 20190821; JP 2013066152 A 20130411; JP 5854888 B2 20160209

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