

Title (en)
Reflector antenna

Title (de)
Reflektorantenne

Title (fr)
Antenne à réflecteur

Publication
EP 0822610 A3 20000726 (DE)

Application
EP 97104674 A 19970319

Priority
DE 19630784 A 19960731

Abstract (en)
[origin: EP0822610A2] The reflective antenna has a main reflector (1) and a sub-reflector (2) with an absorption medium (3) applied to the reflection surface of the main reflector as an annular surface having a frequency-selective structure (4). The antenna operates according to the Cassegrain principle, with the position of the absorption medium relative to the surface of the main reflector corresponding to the odd reflections of the incident electromagnetic radiation. The inner edge of the annular surface may be defined by the projection of the sub-reflector onto the surface of the main reflector.

IPC 1-7
H01Q 17/00; **H01Q 19/19**

IPC 8 full level
H01Q 17/00 (2006.01); **H01Q 19/19** (2006.01)

CPC (source: EP)
H01Q 17/001 (2013.01); **H01Q 19/19** (2013.01)

Citation (search report)

- [DA] DE 2610506 A1 19760930 - THOMSON CSF
- [A] LEE C K ET AL: "Compound reflector antennas", IEE PROCEEDINGS H (MICROWAVES, ANTENNAS AND PROPAGATION), APRIL 1992, UK, vol. 139, no. 2, pages 135 - 138, XP002138566, ISSN: 0950-107X
- [A] JOHANSSON F S: "ANALYSIS AND DESIGN OF DOUBLE-LAYER FREQUENCY-SELECTIVE SURFACES", PROCEEDINGS OF THE INSTITUTION OF ELECTRICAL ENGINEERS,GB,INSTITUTION OF ELECTRICAL ENGINEERS. STEVENAGE, vol. 132, no. 5, 1 August 1985 (1985-08-01), pages 319 - 325, XP000670597

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