

Title (en)
Dipole feeding arrangement

Title (de)
Dipolspeiseanordnung

Title (fr)
Dispositif d'alimentation pour un dipôle

Publication
EP 0709913 B1 20030521 (DE)

Application
EP 95114297 A 19950912

Priority
DE 4438809 A 19941031

Abstract (en)
[origin: EP0709913A2] The feed has two dipole halves (1,2) acting as half wave elements set at a distance above a reflector surface (4) and fixed at the end of connecting strips (5,6). The strips pass through a hole (7) in the reflector. Located beneath the reflector is a strip conductor (8) and in parallel with this are U formed conductors (9,10) of a quarter wavelength that are engaged by the connecting strips. The impedance of the conductors is high compared to the connecting strip and the ends are flanged (14,15) for fixing to the reflector. The reflector is in parallel with a conducting surface.

IPC 1-7
H01Q 9/16; H01Q 21/06; H01Q 21/00; H01Q 19/10

IPC 8 full level
H01Q 9/16 (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)
H01Q 9/16 (2013.01); **H01Q 21/062** (2013.01); **H01Q 21/0081** (2013.01)

Cited by
EP2272131A4; CN102983389A; EP1772929A1; EP0893374A1; US7579999B2; US8963656B2; US6933906B2; WO2004091050A1; WO2011149941A1; EP3635814B1

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
EP 0709913 A2 19960501; **EP 0709913 A3 19981014**; **EP 0709913 B1 20030521**; DE 4438809 A1 19960502; DE 4438809 B4 20041104; DE 59510691 D1 20030626

DOCDB simple family (application)
EP 95114297 A 19950912; DE 4438809 A 19941031; DE 59510691 T 19950912