

Title (en)  
OMNIDIRECTIONAL ANTENNA

Publication  
**EP 0135742 B1 19890322 (DE)**

Application  
**EP 84109263 A 19840803**

Priority  
DE 3328115 A 19830804

Abstract (en)  
[origin: EP0135742A1] 1. An omnidirectional antenna having a carrier body (1) of axially-symmetrical cross-section which is electrically conductive at its surface as well as several radiator elements (2) which are arranged at a uniform angular spacing from one another on the circumference of the carrier body and which with respect to the respectively neighbouring radiator elements are fed with a phase shift corresponding to the angular spacing and have antenna rods (4) respectively conducted at a spacing from the surface of the carrier body, characterised in that the antenna rods (4) are respectively connected on one side in an electrically conductive manner to the carrier body (1), in that the antenna rods are each connected to a supply line (7) of their own which is conducted through the gap between the carrier body (1) and the antenna rod (4) and which is insulated relative to the conductive surface of the carrier body (1) and in that the planes of symmetry through the longitudinal extent of the antenna rods (4) as well as the connection points thereof to the carrier body (1) are inclined with respect to the axis of symmetry of the carrier body (1).

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**H01Q 21/20**; **H01Q 9/43**

IPC 8 full level  
**H01Q 9/43** (2006.01); **H01Q 21/20** (2006.01)

CPC (source: EP)  
**H01Q 9/43** (2013.01); **H01Q 21/20** (2013.01)

Citation (examination)  
• NTZ, 1969, Heft 5, 271-275  
• Frequenz 27 (1973), Heft 3, 74-77

Cited by  
CN112864596A; WO2007134753A1

Designated contracting state (EPC)  
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**EP 0135742 A1 19850403**; **EP 0135742 B1 19890322**; DE 3328115 A1 19850221; DE 3328115 C2 19890202

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