

Title (en)

ROTATABLE ANTENNA WITH A BEARING AND A COUNTERWEIGHT

Publication

EP 0343465 A3 19901107 (DE)

Application

EP 89108666 A 19890513

Priority

DE 3817844 A 19880526

Abstract (en)

[origin: EP0343465A2] The bearing of a rotatable antenna, particularly a rod or telescopic antenna, should also provide the possibility of connection between antenna and antenna feedline with reliable contact during the rotation of the antenna. If DC-isolation between antenna and the line for supplying power to the set is additionally required for safety reasons, this requirement can only be met with difficulty with discrete components, for example capacitors, waveguides and so forth at high frequencies without a mismatch occurring between antenna and device. To produce matching and to meet the safety requirement, the bearing is constructed in the form of a capacitive rotary coupling matching the antenna impedance and impedance of the antenna feedline. In addition, the antenna rod length can be largely freely selected by dimensioning the individual components of the rotary coupling and by dimensioning the counterweight. The rotatable antenna is preferably used in the base station of a cordless telephone.
<IMAGE>

IPC 1-7

H01Q 1/08; **H01Q 3/08**

IPC 8 full level

H01Q 1/08 (2006.01); **H01Q 3/08** (2006.01)

CPC (source: EP)

H01Q 1/084 (2013.01); **H01Q 3/08** (2013.01)

Citation (search report)

- [A] FR 1358598 A 19640417
- [A] WO 8700974 A1 19870212 - LARSEN ELECTRONICS INC [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 284 (E-217)(1429) 17 Dezember 1983, & JP-A-58 162104 (MATSUSHITA) 26 September 1983,
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 258 (E-350)(1981) 16 Oktober 1985, & JP-A-60 107903 (ZENERARU RESEARCH) 13 Juni 1985,

Cited by

GB2253949A; GB2253949B; WO9812772A1

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EP 0343465 A2 19891129; **EP 0343465 A3 19901107**; **EP 0343465 B1 19930728**; AT E92215 T1 19930815; DE 3817844 A1 19891207; DE 58905017 D1 19930902

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