

Title (en)

DIRECTIONAL ANTENNA WITH A PLURALITY OF ELEMENTS

Publication

EP 0065973 B1 19890531 (DE)

Application

EP 82900016 A 19811202

Priority

DE 3045684 A 19801204

Abstract (en)

[origin: WO8202119A1] Directional antenna system for short and ultra short waves of which the elements (1, 2, 3) are tuned without a tuning device such as a series or parallel resonance circuit. The system is tuned by the fact that the imaginary inductive component of a radiation element (1) too long at a certain frequency is coupled by spacial approach with the imaginary capacitive component of a too short radiation element (2), those two components compensating mutually. Hence, the system is adapted to the impedance of the conductor by an additional conductor (10) which further makes accessible other frequency ranges such as for example 7 MHz.

IPC 1-7

H01Q 5/00; H01Q 19/30

IPC 8 full level

H01Q 19/30 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/40** (2015.01); **H01Q 5/49** (2015.01); **H01Q 9/06** (2006.01); **H01Q 9/16** (2006.01); **H01Q 21/30** (2006.01)

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