

Title (en)

ANTENNA COMPRISING AT LEAST ONE DIPOLE

Publication

EP 0088948 B1 19870902 (DE)

Application

EP 83102047 A 19830303

Priority

DE 3208789 A 19820311

Abstract (en)

[origin: US4575728A] A vertical dipole array (2, 3 to 2(n), 3(n)) is formed on a substrate (1) using stripline techniques. The dipoles are supplied with RF energy from a feed system consisting of stripline conductors (4, 4', 5, 6, 7, 7', 9, 12). By a parasitic compensating radiator (11) provided opposite these conductors on the same side of the substrate, the influence of the conductors on the radiation pattern of the dipoles is largely compensated for. The conductors of the feed system are arranged so that a combination of a parallel feed and an equal line length series feed (or, if the radiation pattern is to be raised, a series feed with suitably chosen line lengths) is obtained.

IPC 1-7

H01Q 19/22; **H01Q 21/10**

IPC 8 full level

H01Q 19/22 (2006.01); **H01Q 21/10** (2006.01)

CPC (source: EP US)

H01Q 19/22 (2013.01 - EP US); **H01Q 21/10** (2013.01 - EP US)

Cited by

FR2567685A1; US5999090A

Designated contracting state (EPC)

DE FR NL

DOCDB simple family (publication)

EP 0088948 A1 19830921; **EP 0088948 B1 19870902**; DE 3208789 A1 19830922; DE 3373385 D1 19871008; GB 2117184 A 19831005; GB 2117184 B 19850724; GB 8305356 D0 19830330; IT 1161112 B 19870311; IT 8320039 A0 19830311; IT 8320039 A1 19840911; US 4575728 A 19860311

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EP 83102047 A 19830303; DE 3208789 A 19820311; DE 3373385 T 19830303; GB 8305356 A 19830225; IT 2003983 A 19830311; US 47240583 A 19830304