

Title (en)

DIRECTIONAL ANTENNA, AND VEHICLE COMPRISING SUCH DIRECTIONAL ANTENNA

Title (de)

RICHTANTENNE UND FAHRZEUG MIT EINER SOLCHEN RICHTANTENNE

Title (fr)

ANTENNE DIRECTIONNELLE ET VÉHICULE COMPORTANT UNE TELLE ANTENNE DIRECTIONNELLE

Publication

EP 4040598 A1 20220810 (EN)

Application

EP 22151929 A 20220118

Priority

IT 202100000887 A 20210119

Abstract (en)

Directional antenna (100), comprising at least:- a first radiating element (1) and a second radiating element (2) arranged spaced apart from each other at a predetermined first distance (D1);- a supply circuit (5) which is connected to and is adapted to supply said first and second radiating elements (1, 2) with a feeding signal to be radiated, wherein said supply circuit (5) comprises at least one conducting element (5a) having a first end (5b) connected to the first radiating element (1) and a second end (5c) connected to the second radiating element (2), said at least one conducting element (5a) having, with reference to the nominal operating frequency of the antenna (100), a predefined electrical length (d) measured between said first and second ends (5b, 5c) which is comprised between one fifth of a wave and three quarters of a wave, said supply circuit (5) being configured so that the signal fed in input into the first radiant element (1) is out of phase in time with respect to the signal fed in input into the second radiant element (2) by a first value comprised between thirty and one hundred and twenty sexagesimal degrees.

IPC 8 full level

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Citation (search report)

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- [I] US 2013321196 A1 20131205 - BINZER THOMAS [DE], et al
- [I] EP 2058900 A1 20090513 - NEC CORP [JP]
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Designated contracting state (EPC)

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Designated extension state (EPC)

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