

Title (en)  
ANTENNA DEVICE

Title (de)  
ANTENNENVORRICHTUNG

Title (fr)  
DISPOSITIF ANTENNE

Publication  
**EP 3625847 B1 20210526 (EN)**

Application  
**EP 19727735 A 20190430**

Priority  
• IT 201800006373 A 20180615  
• IB 2019053541 W 20190430

Abstract (en)  
[origin: WO2019239230A1] An antenna device (1) for vehicles comprising a support base (3), an inner casing (2) that is coupled to the support base (3) to delimit an internal housing space, an outer casing (4) structured to cover said inner casing (2), an electronic circuit (5), a capacitive antenna element (6) arranged on the upper portion of the outer surface of the inner casing (2), and an inductive antenna element (12) arranged in the internal housing space of the inner casing (3) and structured to electrically connect the capacitive antenna element (6) to the electronic circuit (5). The inductive antenna element (12) comprises a plate-shaped support body (14) made of an electrically insulating material, which is arranged on a vertical plane approximately orthogonal the support base (3), and a spiral element (15), which is arranged on a larger flat vertical surface of the plate-shaped support body (14) and comprises a plurality of turns that are laid concentrically about a first common axis (B) orthogonal to the larger surface.

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/42** (2006.01); **H01Q 9/27** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)  
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