

Title (en)

Low-profile wideband antenna element and antenna

Title (de)

Breitbandantennenelement mit niedrigem Profil und Antenne

Title (fr)

Élément d'antenne à large bande à profil bas et antenne

Publication

EP 2937933 B1 20161228 (EN)

Application

EP 14305603 A 20140424

Priority

EP 14305603 A 20140424

Abstract (en)

[origin: EP2937933A1] A low-profile wideband antenna element and antenna comprising multiple antenna elements are disclosed. An antenna element comprises: two elongate arms mounted on and at a distance from a ground plate such that they lie in a plane above a surface plane of the ground plate. The two elongate arms are angled with respect to each other and are formed of a conductive material and form the radiating elements of the antenna element. The antenna element has at least one conductive connecting member connecting a conductive surface of the ground plate to at least one of the arms; and at least one feed probe for feeding an input signal to the two arms, the at least one feed probe being spaced apart from the at least one conductive connecting member.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 9/0421** (2013.01); **H01Q 9/045** (2013.01)

Citation (examination)

US 7477201 B1 20090113 - BIT-BABIK GIORGI [US], et al

Cited by

CN114899620A; CN111509403A; CN112335120A; CN106207490A; JP2018157242A; US11682838B2; TWI613865B

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