

Title (en)  
WIDEBAND VHF AND UHF ANTENNA FOR TWO SIGNALS

Title (de)  
WEITBANDIGE VHF UND UHF ANTENNE FÜR ZWEI SIGNALE

Title (fr)  
ANTENNE BI-VOIE LARGE BANDE VHF-UHF

Publication  
**EP 2406854 B1 20140326 (FR)**

Application  
**EP 10705349 A 20100223**

Priority  
• EP 2010052302 W 20100223  
• FR 0901187 A 20090313

Abstract (en)  
[origin: WO2010102901A1] The invention relates to a compact dual channel antenna that operates in at least two frequency bands, characterised in that said antenna comprises at least the following elements: a coaxial cable (26) connected to a reference ground (M); an antenna element (21) adapted to operate in the high frequency band [Fsup1, Fsup2], and having a length Linf; a counter-skirt (30) having a length substantially corresponding to Linf and provided about said antenna element (21), said surrounded antenna element (21) being arranged between the ground (M) plane and an antenna element (29) adapted to operate in the low frequency band [Finf1, Finf2]; wherein the assembly (20) has a length Lsup adapted to operate in the low frequency band [Finf1, Finf2], and includes the antenna element (29) and the counter-skirt (30) and is powered via the core (28) of said coaxial cable (26) surrounding a magnetic element (27a) in order to form a winding (27b); and said antenna element (21) is powered via a braid (26a) of the sheath of said coaxial cable (26).

IPC 8 full level  
**H01Q 9/30** (2006.01); **H01Q 5/15** (2015.01)

CPC (source: EP US)  
**H01Q 5/00** (2013.01 - EP US); **H01Q 5/335** (2015.01 - EP US); **H01Q 5/35** (2015.01 - EP US); **H01Q 9/30** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010102901 A1 20100916**; EP 2406854 A1 20120118; EP 2406854 B1 20140326; ES 2464493 T3 20140603; FR 2943183 A1 20100917; FR 2943183 B1 20120420; IL 215136 A0 20111229; IL 215136 A 20151130; PL 2406854 T3 20140829; SG 174388 A1 20111028; US 2012119964 A1 20120517; US 9007270 B2 20150414

DOCDB simple family (application)  
**EP 2010052302 W 20100223**; EP 10705349 A 20100223; ES 10705349 T 20100223; FR 0901187 A 20090313; IL 21513611 A 20110913; PL 10705349 T 20100223; SG 2011066297 A 20100223; US 201013256181 A 20100223