

Title (en)
MULTI BAND ANTENNA STRUCTURE

Title (de)
MEHRBANDANTENNENSTRUKTUR

Title (fr)
STRUCTURE D'ANTENNE MULTIBANDE

Publication
EP 3425724 A1 20190109 (EN)

Application
EP 17180134 A 20170706

Priority
EP 17180134 A 20170706

Abstract (en)
A multi-band antenna structure includes a substrate having a first wiring area located on one side surface thereof. The first wiring area has a first metal trace, a second metal trace and a connecting portion formed therein. The first and the second metal trace are respectively in an elongated spiral pattern; and the connecting portion is electrically connected at two opposite ends to the first and the second metal trace. The multi-band antenna structure can be directly integrated into electrical circuits on a circuit board to provide the advantages of reduced manufacturing cost and capable of transmitting or receiving multiple bands of signals.

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/364** (2015.01)

CPC (source: EP)
H01Q 1/2241 (2013.01); **H01Q 1/36** (2013.01); **H01Q 1/38** (2013.01); **H01Q 5/364** (2015.01)

Citation (search report)
• [X] WO 0003452 A1 20000120 - ERICSSON TELEFON AB L M [SE]
• [A] US 5929825 A 19990727 - NIU FENG [US], et al
• [A] EP 1262339 A1 20021204 - GOODYEAR TIRE & RUBBER [US]

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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