

Title (en)
Monopole antenna with a tapered balun

Title (de)
Monopolantenne mit einem verjüngten Balun

Title (fr)
Antenne unipolaire avec symétriseur conique

Publication
EP 2797168 B1 20190417 (EN)

Application
EP 13165522 A 20130426

Priority
EP 13165522 A 20130426

Abstract (en)
[origin: EP2797168A1] Embodiments are directed to a balun structure comprising: a monopole antenna, and a microstrip coupled to the monopole antenna and comprising a ground plane modified to include at least two arms. Embodiments are directed to a balun structure comprising: a monopole antenna, and a microstrip coupled to the monopole antenna using a stepwise tapered microstrip feed.

IPC 8 full level
H01Q 5/00 (2015.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 1/48** (2006.01); **H01Q 9/28** (2006.01); **H01Q 9/38** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 1/38** (2013.01); **H01Q 1/48** (2013.01); **H01Q 5/50** (2015.01); **H01Q 9/285** (2013.01); **H01Q 9/38** (2013.01)

Cited by
EP4297184A1; US11121469B2; US11189900B2

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

DOCDB simple family (publication)
EP 2797168 A1 20141029; EP 2797168 B1 20190417

DOCDB simple family (application)
EP 13165522 A 20130426