

Title (en)
HELICAL ANTENNA

Title (de)
WENDELANTENNE

Title (fr)
ANTENNE HELICOIDALE

Publication
EP 1435125 A1 20040707 (EN)

Application
EP 02748837 A 20020701

Priority
• EP 0207277 W 20020701
• GB 0123502 A 20010929

Abstract (en)
[origin: GB2380323A] An antenna for use in a mobile radio communication unit has a helical coil portion 3 located between and electrically connected to two further portions, namely a second portion 5 having a conductive stub for connection to the radio unit, and a third portion 7 comprising a conductive capacitive cylinder or curved plate. The length of the antenna is not greater than 100 mm, preferably not greater than 0.1 g . The antenna has applications in TETRA digital communications. Superior return loss and bandwidth characteristics are claimed.

IPC 1-7
H01Q 11/08; **H01Q 1/36**; **H01Q 9/36**

IPC 8 full level
H01Q 1/36 (2006.01); **H01Q 9/36** (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP)
H01Q 1/362 (2013.01); **H01Q 9/36** (2013.01); **H01Q 11/08** (2013.01)

Citation (search report)
See references of WO 03030302A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
GB 0123502 D0 20011121; **GB 2380323 A 20030402**; **GB 2380323 B 20031105**; AT E324681 T1 20060515; DE 60211003 D1 20060601; DE 60211003 T2 20060928; EP 1435125 A1 20040707; EP 1435125 B1 20060426; ES 2260461 T3 20061101; WO 03030302 A1 20030410

DOCDB simple family (application)
GB 0123502 A 20010929; AT 02748837 T 20020701; DE 60211003 T 20020701; EP 0207277 W 20020701; EP 02748837 A 20020701; ES 02748837 T 20020701