

Title (en)
MULTIBAND PRINTED DIPOLE ANTENNA

Title (de)
MULTIBAND-GEDRUCKTE DIPOLANTENNE

Title (fr)
ANTENNE DIPOLE IMPRIMEE MULTIBANDE

Publication
EP 1849213 B1 20080723 (FR)

Application
EP 06709478 A 20060203

Priority
• FR 2006050099 W 20060203
• FR 0501814 A 20050218

Abstract (en)
[origin: US7432873B2] The invention relates to a printed antenna comprising a dielectric substrate (CS 1 , CS 2) supporting feeder lines (LA 1 , LA 2) and first and second T-shaped dipoles (D 1 , D 2) of different sizes for dual-band operation. Each dipole includes a stem (J 1 , J 2) and two radiating arms (B 1 , B 2) separated by a coupling slot (FC 1 , FC 2) made in the stem. For compactness of the antenna, the stems are partly superimposed, the coupling slots are aligned and a decoupling cut-out (ED) is made in the second dipole so as to uncover the coupling slot of the first dipole, by virtue of their superposition. The substrate can comprise one, two or three layers. Plural antennas can constitute an antenna network used as a base element in one-dimensional or two-dimensional network.

IPC 8 full level
H01Q 9/28 (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP US)
H01Q 9/285 (2013.01 - EP US); **H01Q 21/30** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2882468 A1 20060825; AT E402500 T1 20080815; DE 602006001942 D1 20080904; EP 1849213 A1 20071031; EP 1849213 B1 20080723; US 2008030418 A1 20080207; US 7432873 B2 20081007; WO 2006087488 A1 20060824

DOCDB simple family (application)
FR 0501814 A 20050218; AT 06709478 T 20060203; DE 602006001942 T 20060203; EP 06709478 A 20060203; FR 2006050099 W 20060203; US 88875607 A 20070802