Title (en)

Antenne apparatus and associated methodology for a multi-band radio device

Title (de)

Antennenvorrichtung und entsprechendes Verfahren für ein Multiband-Radiogerät

Title (fr)

Appareil d'antenne, méthodologie associée pour un dispositif radio multibande

Publication

EP 1973192 B1 20170614 (EN)

Application

EP 07104836 A 20070323

Priority

EP 07104836 A 20070323

Abstract (en)

[origin: EP1973192A1] Antenna apparatus, and an associated methodology, for a multi-frequency-band-capable radio device, such as a quad-band mobile station. The antenna apparatus forms a hybrid strip antenna having a pair of resonant elements. A first resonant element forms a peripheral loop extending about the periphery of a substrate. A meander line extends along a portion of the peripheral loop. And, second resonant element is formed of an L-shaped strip. The peripheral loop is resonant at a set of frequencies, and the L-shaped strip is resonant at a single frequency. Through appropriate selection of the lengths of the resonant elements, the frequencies at which the elements are resonant are controlled.

IPC 8 full level

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CPC (source: EP KR)

H01Q 1/24 (2013.01 - KR); **H01Q 1/243** (2013.01 - EP); **H01Q 1/36** (2013.01 - EP); **H01Q 1/38** (2013.01 - EP KR); **H01Q 5/371** (2013.01 - EP); **H01Q 13/08** (2013.01 - KR)

Cited by

EP4007068A1; CN105789902A; US8144065B2; US8786298B2; US8164528B2; US8462061B2; WO2013064910A3; WO2011100618A1; US9431708B2; US8164532B1; US9252487B2; US8514132B2; US9502770B2

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DOCDB simple family (publication)

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