

Title (en)

Portable radio device with a dual-polarized multi-strip loop antenna and associated method

Title (de)

Tragbares Funkgerät mit dualpolarisierter Schleifeantenne und entsprechendes Verfahren

Title (fr)

Appareil radio portable avec antenne à boucle, à polarisation double et méthode associée

Publication

EP 2299537 B1 20200101 (EN)

Application

EP 10194345 A 20070416

Priority

- EP 10194345 A 20070416
- EP 07106265 A 20070416

Abstract (en)

[origin: EP1983606A1] A dual-polarized antenna, and an associated methodology, is provided for a radio device, such as a mobile station. The antenna is formed of a plurality of loop strips disposed upon a substrate. The loop strips are configured into a pair of L-cornered loops, with the loops sharing a shared set of loop strips. A loop strip of the shared set provides a single feed connection, positioned to permit symmetrical excitation of the antenna.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/38** (2006.01); **H01Q 7/00** (2006.01); **H01Q 9/26** (2006.01)

CPC (source: EP KR)

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DOCDB simple family (publication)

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