

Title (en)

Mobile wireless communications device including a ground patch providing specific absorption rate (SAR) reduction and related methods

Title (de)

Mobile drahtlose Kommunikationsvorrichtung mit Erdungs-Patch zur Reduzierung der spezifischen Absorptionsrate und damit zusammenhängende Verfahren

Title (fr)

Dispositif mobile de communication sans fil incluant une plaque connectée à la masse fournissant une réduction du taux d'absorption spécifique (SAT) et procédés correspondants

Publication

**EP 1981119 B1 20191218 (EN)**

Application

**EP 07105873 A 20070410**

Priority

EP 07105873 A 20070410

Abstract (en)

[origin: EP1981119A1] A mobile wireless communications device may include a portable housing, a dielectric substrate carried by the portable housing having a front side facing toward a user and a back side opposite the front side, and a ground plane carried by the dielectric substrate. The device may further include at least one circuit carried by the dielectric substrate, and an antenna carried by the dielectric substrate adjacent an end thereof and electrically connected to the at least one circuit. A ground patch may be adjacent the front side of the dielectric substrate that is electrically connected to the ground plane and spaced apart from and at least partially overlapping the antenna.

IPC 8 full level

**H01Q 1/24** (2006.01)

CPC (source: EP)

**H01Q 1/245** (2013.01)

Citation (examination)

WO 03026064 A1 20030327 - KONINKL PHILIPS ELECTRONICS NV [NL]

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