Title (en)

DEVICE FOR CONTROLLING THE OPERATION OF A WIRELESS FDD COMMUNICATION DEVICE, AND ASSOCIATED CONTROL METHOD

Title (de)

VORRICHTUNG ZUR STEUERUNG DES BETRIEBS EINER DRAHTLOSEN FDD-KOMMUNIKATIONSVORRICHTUNG UND ZUGEHÖRIGES STEUERUNGSVERFAHREN

Title (fr)

DISPOSITIF DE CONTROLE DU FONCTIONNEMENT D'UN DISPOSITIF DE COMMUNICATION FDD SANS FIL, PROCEDE DE CONTROLE ASSOCIE

Publication

EP 4147366 A1 20230315 (FR)

Application

EP 21731236 A 20210427

Priority

- FR 2004387 A 20200504
- FR 2021050725 W 20210427

Abstract (en)

[origin: WO2021224563A1] The invention relates to a control device (D_CO) for controlling the operation of a wireless communication device (D_TX) comprising an antenna (100), a front-end module configured for transmitting and receiving signals according to a frequency-division multiplexing scheme, and switching means (110) capable of configuring at least one transmission or reception chain of said front-end module according to at least two modes including a first mode (M _1)/second mode (M_2) in which the processing chain presents a first/second impedance to the antenna, said first and second impedances being distinct from each other. Furthermore, said control device is intended to be integrated in said communication device and comprises a control module (MOD_CO) configured to control said switching means so that the processing chain alternates between said first and second modes and thus the communication device backscatters an ambient signal.

IPC 8 full level

H04B 5/00 (2006.01)

CPC (source: EP US)

H04B 1/006 (2013.01 - US); **H04B 1/18** (2013.01 - US); **H04B 5/45** (2024.01 - EP); **H04B 5/72** (2024.01 - US); Y02D 30/70 (2020.08 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3109853 A1 20211105; EP 4147366 A1 20230315; US 2023179247 A1 20230608; WO 2021224563 A1 20211111

DOCDB simple family (application)

FR 2004387 A 20200504; EP 21731236 A 20210427; FR 2021050725 W 20210427; US 202117923158 A 20210427