

Title (en)  
DEVICE FOR CONTROLLING THE OPERATION OF A WIRELESS TDD COMMUNICATION DEVICE, AND ASSOCIATED CONTROL METHOD

Title (de)  
VORRICHTUNG ZUR STEUERUNG DES BETRIEBS EINER DRAHTLOSEN TDD-KOMMUNIKATIONSVORRICHTUNG UND ZUGEHÖRIGES STEUERUNGSVERFAHREN

Title (fr)  
DISPOSITIF DE CONTROLE DU FONCTIONNEMENT D'UN DISPOSITIF DE COMMUNICATION TDD SANS FIL, PROCEDE DE CONTROLE ASSOCIE

Publication  
**EP 4147367 A1 20230315 (FR)**

Application  
**EP 21731237 A 20210427**

Priority  
• FR 2004385 A 20200504  
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Abstract (en)  
[origin: WO2021224564A1] 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 time-division multiplexing scheme, and switching means (110) capable of configuring said front-end module according to at least two modes including a first mode (M\_1)/second mode (M\_2) in which the front-end module 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 so as to control said switching means so that the front-end module alternates between said first and second modes and thus the communication device backscatters an ambient signal.

IPC 8 full level  
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