

Title (en)

AN ELECTRONIC DEVICE, A METHOD, A COMPUTER PROGRAM PRODUCT, AND A SINGLE-CHIP RADIO

Title (de)

ELEKTRONISCHE VORRICHTUNG, VERFAHREN, COMPUTERPROGRAMMPRODUKT UND EINCHIPFUNKGERÄT

Title (fr)

DISPOSITIF ÉLECTRONIQUE, PROCÉDÉ, PRODUIT-PROGRAMME D'ORDINATEUR ET RADIO À PUCE UNIQUE

Publication

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Application

**EP 22873278 A 20220913**

Priority

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Abstract (en)

[origin: WO2023048613A1] An electronic device (100) comprising: a first antenna (102) having a first orientation, the first antenna (102) being an integrated antenna; a second antenna (152) having a second orientation, different from the first orientation; a first switch (162) connectable to the first and second antennas (102, 152); first radio frequency, RF, circuitry (112), the first RF circuitry (112) being connectable to one of the first antenna (102) and the second antenna (152) via the first switch (162) and the first RF circuitry (112) comprising one or more of a Low Noise amplifier, a Mixer, a Local oscillator, a Phase locked loop, an analog filter, a Voltage Gain Amplifier, an analog to digital converter, ADC, a digital filter, a Power Amplifier and a digital to analog converter, DAC; a first control unit for controlling the first switch (162) to connect the first RF circuitry (112) to one of the first and second antennas (102, 152), wherein the first antenna (102) is integrated together with the first RF circuitry (112) in a first encapsulation (132) and wherein the second antenna (152) is an external antenna. Corresponding method, computer program product and single-chip radio are also disclosed.

IPC 8 full level

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