

Title (en)

EFFICIENT COMMUNICATION FOR CONFIGURING SENSOR NODES

Title (de)

EFFIZIENTE KOMMUNIKATION ZUR KONFIGURATION VON SENSORKNOTEN

Title (fr)

COMMUNICATION EFFICACE POUR LA CONFIGURATION DE NOEUDS DE CAPTEURS

Publication

EP 3966944 A1 20220316 (DE)

Application

EP 20724109 A 20200507

Priority

- DE 102019206836 A 20190510
- EP 2020062653 W 20200507

Abstract (en)

[origin: WO2020229280A1] The invention relates to a method for transmitting data from one device to another device. The method comprises a step in which a magnetic signal is generated using an electromagnetic functional unit, the electromagnetic functional unit being an actuator of a loudspeaker of the device or the electromagnetic functional unit being an electromagnetic resonant circuit connected to the device, and the magnetic signal carrying the data to be transmitted from the device to the other device. The method also comprises a step in which the magnetic signal is detected using an electromagnetic resonant circuit of the other device in order to obtain the data to be transmitted from the device to the other device, the magnetic signal being FSK modulated, and a resonant frequency of the electromagnetic resonant circuit of the other device and a carrier frequency of the FSK modulated magnetic signal being tuned to one another.

IPC 8 full level

H04B 5/00 (2006.01)

CPC (source: EP US)

H04B 5/00 (2013.01 - US); **H04B 5/24** (2024.01 - EP); **H04B 5/72** (2024.01 - EP US); **H04L 27/10** (2013.01 - US); **G06K 19/0705** (2013.01 - EP); **H04B 5/00** (2013.01 - EP)

Citation (search report)

See references of WO 2020229280A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019206836 A1 20201112; EP 3966944 A1 20220316; US 2022060218 A1 20220224; WO 2020229280 A1 20201119

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DE 102019206836 A 20190510; EP 2020062653 W 20200507; EP 20724109 A 20200507; US 202117518133 A 20211103