Title (en)

SENSOR NETWORK ASSEMBLY

Title (de)

SENSORNETZWERKANORDNUNG

Title (fr)

ENSEMBLE RÉSEAU DE CAPTEURS

Publication

EP 4031840 A1 20220727 (DE)

Application

EP 19779769 A 20190919

Priority

EP 2019075141 W 20190919

Abstract (en)

[origin: WO2021052585A1] A sensor network assembly (10) comprising: at least one sensor device (12), which has a sensor module (24) for sensing a physical variable and for providing a corresponding sensor signal, an evaluation unit (28) for evaluating the sensor signal and for providing corresponding sensor data, a first radio data interface (32) for wirelessly transmitting the sensor data, a base station (14), which has a second radio data interface (38) for receiving the sensor data transmitted by the first radio data interface (32), a first data memory (40) for storing the received sensor data, and at least one read-out data interface (42, 44) for transmitting the stored sensor data to an external read-out device (46, 48), is known. In order to provide a sensor network assembly (10) that allows for simple installation of the at least one sensor device (12) even at poorly accessible measurement points and, at the same time, allows for simple and reliable read-out of the captured sensor data, the at least one sensor device (12) has at least one energy generator (24, 34), by means of which electrical energy for the operation of the sensor device (12) can be generated, and the second radio data interface (38) of the base station (14) is designed to receive sensor data from the first radio data interface (32) of the at least one sensor device (12) at any points in time.

IPC 8 full level

G01D 21/00 (2006.01)

CPC (source: EP US)

G01D 21/00 (2013.01 - EP); **H04L 67/12** (2013.01 - US); H04W 84/18 (2013.01 - US)

Citation (search report)

See references of WO 2021052585A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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