Title (en)

MEASURING DEVICE FOR DETERMINING PHYSICAL PROPERTIES, CHEMICAL PROPERTIES, BIOLOGICAL PROPERTIES AND/OR MATERIALS IN THE SURROUNDINGS OF AT LEAST ONE SENSOR OR OF THE AT LEAST ONE SENSOR AS A COMPONENT OF THE MEASURING DEVICE

Title (de)

MESSEINRICHTUNG ZUR BESTIMMUNG PHYSIKALISCHER EIGENSCHAFTEN, CHEMISCHER EIGENSCHAFTEN, BIOLOGISCHER EIGENSCHAFTEN UND/ODER VON STOFFEN DER UMGEBUNG WENIGSTENS EINES AUFNEHMERS ODER DES WENIGSTENS EINEN AUFNEHMERS ALS BESTANDTEIL DER MESSEINRICHTUNG

Title (fr)

DISPOSITIF DE MESURE POUR DÉTERMINER DES PROPRIÉTÉS PHYSIQUES, DES PROPRIÉTÉS CHIMIQUES, DES PROPRIÉTÉS BIOLOGIQUES ET/OU DES SUBSTANCES DE L'ENVIRONNEMENT D'AU MOINS UN CAPTEUR OU DE L'AU MOINS UN CAPTEUR FAISANT PARTIE DU DISPOSITIF DE MESURE

Publication

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Application

**EP 16728942 A 20160613**

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Abstract (en)

[origin: WO2016202730A1] The invention relates to a measuring device for determining physical properties, chemical properties, biological properties, and/or materials in the surroundings of at least one sensor or of the at least one sensor itself as a component of the respective measuring device. The measuring devices are characterized in particular in being simple, robustly controllable, and able to be influenced in the function thereof. In addition, the measuring device comprises at least one sensor as a component of a passive device and/or as a component of an active metrological functional unit. The active metrological functional unit further comprises a data processing system and a transmission and receiving unit for electromagnetic radiation and is connected to an electrical energy source. Furthermore, the transmission and receiving unit of the active metrological functional unit is wirelessly connected to at least one transmission and receiving unit for electromagnetic radiation of at least one passive device, – to at least one operating element, – to at least one switching device, – for controlling the measuring device, – for signaling, – for obtaining measured values, – for displaying an operating state, – for calibrating the sensor, – as a data medium, and/or – as a data memory.

IPC 8 full level

**G01N 27/28** (2006.01)

CPC (source: CN EP RU US)

**G01N 27/28** (2013.01 - RU); **G01N 27/286** (2013.01 - CN EP US); **G01N 27/302** (2013.01 - US); G01K 1/024 (2013.01 - US); H04B 1/40 (2013.01 - US)

Citation (search report)

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