

Title (en)

HAND-HELD MEASURING DEVICE HAVING A NUCLEAR SPIN RESONANCE SENSOR FOR HUMIDITY MEASUREMENT

Title (de)

HANDMESSGERÄT MIT EINEM KERNSPINRESONANZ-SENSOR ZUR FEUCHTEMESSUNG

Title (fr)

APPAREIL DE MESURE À MAIN ÉQUIPÉ D'UN CAPTEUR À RÉSONANCE MAGNÉTIQUE NUCLÉAIRE POUR MESURER L'HUMIDITÉ

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Application

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Abstract (en)

[origin: WO2016037740A1] The invention relates to a mobile measuring device (10), in particular a hand-held measuring device, comprising a housing (12), in which at least one sensor device (32), a control device (28) for controlling the sensor device (32), an evaluation device for evaluating measurement signals supplied by the sensor device (32) as well as a device for supplying energy (22) to the measuring device (10) are provided. It is proposed that the sensor device (32) comprises at least one nuclear spin resonance sensor (32') which is provided at least for determining a humidity value of a workpiece (42), in particular in a workpiece (42). The invention further relates to a method for producing such a measuring device (10).

IPC 8 full level

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