

Title (en)
MEASURING MECHANICAL CHANGES

Title (de)
MESSEN VON MECHANISCHEN VERÄNDERUNGEN

Title (fr)
MESURE DE VARIATIONS MÉCANIQUES

Publication
EP 3762680 A1 20210113 (DE)

Application
EP 19708090 A 20190227

Priority
• DE 102018203251 A 20180305
• EP 2019054799 W 20190227

Abstract (en)
[origin: WO2019170483A1] A device for measuring mechanical changes comprises at least one first resistor, which is designed to convert a mechanical change into an adjustment of its resistance value; and at least one operational amplifier, wherein the at least first resistor and the operational amplifier are connected such that the at least first resistor serves the operational amplifier as an input resistance and the operational amplifier provides or can provide a measurement result at an output. The first resistor is e.g. a strain gauge which can be secured on a component.

IPC 8 full level
G01B 7/16 (2006.01); **G01L 1/22** (2006.01)

CPC (source: EP US)
G01B 7/18 (2013.01 - EP); **G01L 1/225** (2013.01 - EP US); **G01L 3/108** (2013.01 - EP US)

Citation (search report)
See references of WO 2019170483A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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DE 102018203251 A1 20190905; DE 102018203251 B4 20200702; CN 111819416 A 20201023; EP 3762680 A1 20210113; US 11549855 B2 20230110; US 2021372870 A1 20211202; WO 2019170483 A1 20190912

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DE 102018203251 A 20180305; CN 201980017116 A 20190227; EP 19708090 A 20190227; EP 2019054799 W 20190227; US 201916978453 A 20190227