

Title (en)
VIBRATION-TYPE SENSOR

Title (de)
MESSAUFNEHMER VOM VIBRATIONSTYP

Title (fr)
CAPTEUR DE MESURE DU TYPE À VIBRATIONS

Publication
EP 3234516 A1 20171025 (DE)

Application
EP 15791602 A 20151109

Priority
• DE 102014119073 A 20141218
• EP 2015076023 W 20151109

Abstract (en)
[origin: WO2016096243A1] The invention relates to a vibration-type sensor (13), in particular for detecting and/or monitoring at least one processing variable of a flowable medium being conducted in a pipeline, said measuring sensor (13) comprising at least the following: a housing module (3), which is mechanically coupled to the pipeline via an inlet-side end and an outlet-side end, and a sensor module (7) with at least one measuring pipe (9a, 9b), which is held at least partly in the housing module (3) in a vibratable manner and which is at least temporarily vibrated, wherein at least one component of the housing module (3) and/or the sensor module (7) is produced by means of a generative method. The invention also relates to a method for producing at least one component of a vibration-type sensor (13), said method at least having the step of producing the at least one component using a digital data set, which specifies at least the shape and/or the material and/or the structure of the at least one component, by means of a primary forming process, in particular by placing and/or melting a powder in layers, in particular a metal powder.

IPC 8 full level
G01F 1/84 (2006.01); **G01N 9/00** (2006.01); **G01N 11/16** (2006.01)

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G01F 1/8404 (2013.01 - CN EP US); **G01F 1/8409** (2013.01 - CN EP US); **G01F 1/8468** (2013.01 - US); **G01N 9/002** (2013.01 - US); **G01N 11/167** (2013.01 - CN EP US); **G01N 2009/006** (2013.01 - EP US); **G01N 2291/02818** (2013.01 - EP US)

Citation (search report)
See references of WO 2016096243A1

Citation (examination)
• DE 102012016490 A1 20131205 - ROTA YOKOGAWA GMBH & CO KG [DE]
• BUCHMAYR BRUNO ET AL: "Eine SWOT-Analyse zum Einsatz der Additiven Fertigung für metallische Bauteile", BHM, vol. 160, no. 1, 6 December 2014 (2014-12-06), pages 15 - 20, XP035443642, ISSN: 0005-8912, [retrieved on 20141206], DOI: 10.1007/S00501-014-0326-1

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DOCDB simple family (publication)
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DE 102014119073 A 20141218; CN 201580069658 A 20151109; EP 15791602 A 20151109; EP 2015076023 W 20151109; US 201515535515 A 20151109