

Title (en)
PRESSURE SENSOR

Title (de)
DRUCKSENSOR

Title (fr)
CAPTEUR DE PRESSION

Publication
EP 3423801 A1 20190109 (DE)

Application
EP 17704217 A 20170207

Priority
• DE 102016203428 A 20160302
• EP 2017052643 W 20170207

Abstract (en)
[origin: WO2017148660A1] The invention relates to a pressure sensor (1) comprising a monolithic main part (2) which has an annular region (3) and a membrane region (4). The annular region (3) encloses a cavity (6) in the circumferential direction (5), and the membrane region (4) closes the cavity (6) at an axial end of the annular region (3). Additionally, an internal electric circuit (9) is provided which has a measuring region (10) that is arranged on the membrane region (4) on an axial main part (2) outer face (14) facing away from the cavity (6). A simplified design is produced if an annular disc (15) is provided which is arranged on the axial main part (2) outer face (14) and which has an annular body (16) and a central opening (17) that is completely surrounded by the annular body (16) in the circumferential direction (5), if the measuring region (10) is arranged within the central opening (17) and is enclosed by the annular body (16) in the circumferential direction (5), and if a disc-shaped cover (18) is provided which is arranged on an axial annular disc (15) outer face (19) facing away from the main part (2) and which covers the central opening (17).

IPC 8 full level
G01L 19/00 (2006.01); **G01L 9/00** (2006.01)

CPC (source: EP)
G01L 9/0055 (2013.01); **G01L 19/0061** (2013.01); **G01L 19/147** (2013.01)

Citation (search report)
See references of WO 2017148660A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102016203428 B3 20170223; EP 3423801 A1 20190109; WO 2017148660 A1 20170908

DOCDB simple family (application)
DE 102016203428 A 20160302; EP 17704217 A 20170207; EP 2017052643 W 20170207