

Title (en)
PRESSURE SENSOR COMPONENT WITH TUBING CONNECTION

Title (de)
DRUCKSENSOR-BAUTEIL MIT SCHLAUCHANSCHLUSS

Title (fr)
COMPOSANT CAPTEUR DE PRESSION A RACCORD DE TUYAU

Publication
EP 0956493 A1 19991117 (DE)

Application
EP 98907848 A 19980121

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• DE 9800187 W 19980121
• DE 19703206 A 19970129

Abstract (en)
[origin: DE19703206A1] The invention relates to a pressure sensor component (1) comprising a base body (2) and a pressure connecting branch (8). The base body contains a chip carrier (3), on which a semi-conductor chip (4) with integrated pressure sensor is mounted. The semi-conductor chip is contacted with connections (5) which are led laterally through the base body. The base body (2) is open on one side, and the opening (7) is bordered by side sections (14) of the chip carrier (3). The pressure connecting branch (8) is accommodated on the upper ends (13) of the side sections (14). The invention is characterized in that the filler (6), with which the interior space of the base body (2) is filled and the semi-conductor chip (4) is covered, is used simultaneously for connecting and sealing the pressure connecting branch (8) and the base body (2). The ends (12) of the pressure connecting branch (8) are preferably arranged in such a way that the filler (6) is drawn by capillary force into the gap between the side sections (14) and the pressure connecting branch (8). Particularly preferably, the pressure connecting branch (8) is formed in such a way that tubing of different diameters can be placed on it.

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