

Title (en)

DIFFERENTIAL PRESSURE SENSOR COMPRISING AN OVERLOAD MEMBRANE THAT HAS THE SHAPE OF AN ANNULAR DISK

Title (de)

DIFFERENZDRUCKAUFNEHMER MIT RINGSCHIEBENFÖRMIGER ÜBERLASTMEMBRAN

Title (fr)

CAPTEUR DE PRESSION DIFFERENTIELLE A MEMBRANE DE SURCHARGE EN FORME DE DISQUE ANNULAIRE

Publication

**EP 1649258 A1 20060426 (DE)**

Application

**EP 04741099 A 20040716**

Priority

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- DE 10334853 A 20030729

Abstract (en)

[origin: WO2005017481A1] Disclosed is a compact differential pressure sensor that has a simple structure and a symmetrical design. Said differential pressure sensor comprises a sensor element (1), two pressure measurement chambers (2, 3) that are located next to said sensor element (1), two pressure-absorbing chambers (22, 32) which are closed by two separating membranes (21, 31), and two overload chambers (23, 33) separated from each other by means of an overload membrane (6). Said overload membrane (6) is provided with a closed outer edge and a closed inner edge and is clamped in a fixed manner along the outer and inner edge thereof. The sensor element (1) is disposed within the inner edge of the overload membrane (6) when projected onto a plane that is defined by the overload membrane (6).

IPC 1-7

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Citation (search report)

See references of WO 2005017481A1

Citation (examination)

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