

Title (en)  
VIBRATION SENSOR WITH A PRESSURE HOUSING

Title (de)  
SCHWINGUNGS-AUFNEHMER MIT EINER DRUCKHÜLSE

Title (fr)  
CAPTEUR D'OSCILLATIONS POURVU D'UNE DOUILLE DE PRESSION

Publication  
**EP 1240478 A2 20020918 (DE)**

Application  
**EP 00989801 A 20001123**

Priority  
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Abstract (en)  
[origin: WO0144756A2] A vibration sensor with a pressure housing is disclosed, in which the pressure housing (2) may be mounted under pressure, on a vibration inducing component. A sensor arrangement in the form of a piezo-ceramic disc (7) is fixed to the exterior of the pressure housing (2), with an axial tensioning force on a support surface (21), between contact discs (6). A seismic mass (8), the piezo-ceramic disc (7), the contact discs (6.1, 6.2), lying axially on both sides of the piezo-ceramic disc (7) and, where necessary, insulating discs or layers (20, 26, 22, 23) are glued or soldered together, on the axial limiting surfaces and thus form a compact sensor package.

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**G01D 1/00**

IPC 8 full level  
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