

Title (en)

ACCELEROMETER SENSOR FOR DETECTING KNOCKS AND METHOD FOR MAKING SAME

Title (de)

BESCHLEUNIGUNGSSENSOR ZUR KLOPFDETEKTION UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

CAPTEUR ACCELEROMETRIQUE DE CLIQUETIS ET SON PROCEDE DE FABRICATION

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Application

EP 98905354 A 19980126

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Abstract (en)

[origin: FR2759458A1] The invention concerns a sensor comprising a) a cylindrical base (1) formed by an axial shaft (2) projecting from a ring-shaped collar (3), both traversed by an axial bore (4); b) a washer (6) made of piezoelectric material passing on the shaft; c) means for sampling (71, 72) the voltage prevailing between two radial faces of the washer; d) a ring-shaped mass (9) also passing on the shaft (2); and e) stop means co-operating with the ring-shaped collar (3) for mutually squeezing the washer (6) and said mass (9). The stop means consist of a flange (17) projecting from said shaft (2) and formed of the material of a predetermined section thereof, deformed by the crushing stress of said base (1).

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