

Title (en)

STRAIN GAGE FOR MEASURING LONGITUDINAL AND TRANSVERSE DEFORMATIONS

Title (de)

DEHNUNGSMESSER ZUR MESSUNG VON LÄNGS- UND QUERVERFORMUNGEN

Title (fr)

JAUGE DE CONTRAINTE POUR MESURER DES DÉFORMATIONS LONGITUDINALES ET TRANSVERSALES

Publication

EP 2210076 A2 20100728 (FR)

Application

EP 08871827 A 20081105

Priority

- FR 2008001556 W 20081105
- FR 0708080 A 20071116

Abstract (en)

[origin: FR2923907A1] The gage has a ceramic substrate on which patterns (2) are made of electrical resistive material such as piezoresistive or magnetostrictive material, and terminals (3) whose two pairs are formed to electrically contact the pattern. The terminals are formed on both sides of the pattern along a longitudinal direction (X) for one of the pairs and a transversal direction (Y) for the other pair in a manner to measure electrical resistance of the pattern along the longitudinal and transversal directions. The terminals are in the shape of rectangular, triangular and circular. Independent claims are also included for the following: (1) structural element area deformation measuring sensor comprising a chopping circuit connected to terminals of a strain gage (2) a rolling bearing comprising a row of rolling bodies arranged in a rolling path.

IPC 8 full level

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CPC (source: EP US)

G01L 1/2281 (2013.01 - EP); **G01L 1/2293** (2013.01 - EP); **G01L 3/108** (2013.01 - EP); **G01L 5/0019** (2013.01 - EP US)

Citation (search report)

See references of WO 2009095553A2

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