

Title (en)
MECHANICAL STRESS DETECTOR

Title (de)
DETEKTOR FÜR MECHANISCHE BELASTUNG

Title (fr)
DÉTECTEUR DE SOLlicitation MÉCANIQUE

Publication
EP 2548236 A2 20130123 (FR)

Application
EP 11713001 A 20110314

Priority
• FR 1051891 A 20100317
• FR 2011050507 W 20110314

Abstract (en)
[origin: WO2011114048A2] This detector comprises a control device (140) designed to provide an electrical control signal (Vc) in response to a mechanical stress, and a transducer (118, 130), called an emission transducer, designed to convert the electrical control signal (Vc) into a detection signal. It furthermore comprises a piezoelectric element (114), called a supply piezoelectric element, connected electrically to the control device (140) and designed to provide, when mechanically excited, an electrical supply energy to the control device (140), and a mechanical excitation device (116) for exciting the supply piezoelectric element (114) on the basis of the mechanical stress.

IPC 8 full level
H10N 30/30 (2023.01)

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