

Title (en)

METHOD AND DEVICE FOR DETECTING MECHANICAL CHANGES IN A COMPONENT BY MEANS OF A MAGNETOELASTIC SENSOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM NACHWEIS VON MECHANISCHEN VERÄNDERUNGEN IN EINEM BAUTEIL MITTELS  
MAGNETOELASTISCHEN SENSORS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION DE MODIFICATIONS MÉCANIQUES DANS UN COMPOSANT AU MOYEN D'UN CAPTEUR  
MAGNÉTOÉLASTIQUE

Publication

**EP 2783206 A1 20141001 (DE)**

Application

**EP 12816271 A 20121220**

Priority

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Abstract (en)

[origin: WO2013104508A1] The invention relates to a method and a device for detecting mechanical changes (2) in a component (1) which comprises ferromagnetic material. The mechanical stress ( $\sigma$ ) in the component is determined using at least one magnetoelastic sensor (4, 14, 34).

IPC 8 full level

**G01N 27/72** (2006.01)

CPC (source: EP US)

**G01M 5/0033** (2013.01 - EP US); **G01M 5/0075** (2013.01 - EP US); **G01M 5/0091** (2013.01 - EP US); **G01M 13/02** (2013.01 - EP US);  
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Citation (search report)

See references of WO 2013104508A1

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DOCDB simple family (publication)

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