

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

- DE 102012200201 A 20120109
- EP 2012076354 W 20121220

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 (σ) 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);
G01N 27/82 (2013.01 - EP US)

Citation (search report)

See references of WO 2013104508A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013104508 A1 20130718; EP 2783206 A1 20141001; US 2015008912 A1 20150108

DOCDB simple family (application)

EP 2012076354 W 20121220; EP 12816271 A 20121220; US 201214371384 A 20121220