Title (en)

PROCEDURE AND DEVICE OF EDDY CURRENT IMAGING DEVICE FOR THE DETECTION AND THE CHARACTERISATION OF DEFECTS HIDDEN IN COMPLEX STRUCTURES

Title (de)

VERFAHREN UND VORRICHTUNG MIT WIRBELSTROM-ABBILDUNGSVORRICHTUNG ZUM NACHWEIS UND ZUR CHARAKTERISIERUNG VON IN KOMPLEXEN STRUKTUREN VERBORGENEN DEFEKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'IMAGERIE À COURANT DE FOUCAULT POUR LA DÉTECTION ET LA CARACTÉRISATION DE DÉFAUTS ENFOUIS DANS DES STRUCTURES COMPLEXES

Publication

**EP 2024738 A1 20090218 (FR)**

Application

**EP 07731432 A 20070510**

Priority

- FR 2007000791 W 20070510
- FR 0604255 A 20060512

Abstract (en)

[origin: WO2007135265A1] This eddy current imaging procedure consists of the following steps: - located (72) near a large inspection zone of a surface magnetic field measuring device, generating (74, 92) a comprehensive excitatory magnetic field on the observation inspection zone - Measure (76, 84) at the surface a resulting magnetic field in the form of images. - Process (90) the images. The generating phase (74, 82) consists of generating at least two forms of excitatory magnetic field waves; the measuring phase (76, 86) consists of measuring all the magnetic field configurations resulting in the form of images; the image combination treatments phase (90) helps to detect defects and to determine their location and their type.

IPC 8 full level (invention and additional information)

**G01N 27/90** (2006.01); **G01R 33/032** (2006.01)

CPC (invention and additional information)

**G01N 27/90** (2013.01)

Citation (search report)

See references of WO 2007135265A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family

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