

Title (en)

METHOD AND APPARATUS FOR TESTING A WALL SECTION AND/OR CORNER REGION INSIDE A HOLLOW BODY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PRÜFUNG EINES WANDABSCHNITTS UND/ODER ECKBEREICHES IM INNEREN EINES HOHLKÖRPERS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR CONTRÔLER UNE PARTIE DE PAROI ET/OU UNE ZONE D'ANGLE À L'INTÉRIEUR D'UN CORPS CREUX

Publication

**EP 2558852 A1 20130220 (DE)**

Application

**EP 11717183 A 20110412**

Priority

- DE 102010045414 A 20100915
- DE 102010014698 A 20100412
- EP 2011001824 W 20110412

Abstract (en)

[origin: WO2011128066A1] Elongate hollow bodies (100) or structures like hollow bodies, for example masts, rotor blades of wind energy installations or else wings, flaps and similar aircraft components, must be tested for freedom from material defects. In particular, if a plurality of chambers (90) are arranged inside the hollow bodies (100), partitions, wall sections and corner regions (120, 122, 124, 126) can mostly be examined only by means of a random test by being dismantled. Therefore, the problem addressed by the invention is that of providing a non-destructive testing method for hollow bodies (100), in which all wall sections and corner regions (120, 122, 124, 126) arranged inside the hollow body (100) can be tested. The invention solves this problem by means of a method and an apparatus for testing a wall section and/or corner region (120, 122, 124, 126) of a hollow body (100), wherein a sensor arrangement (28) is moved through the inside of the hollow body (100) relative to wall sections and/or corner regions (120, 122, 124, 126) of the hollow body (100) which are arranged inside the hollow body (100) and need to be tested.

IPC 8 full level

**G01N 29/22** (2006.01); **G01N 29/265** (2006.01)

CPC (source: EP)

**G01N 29/225** (2013.01); **G01N 29/265** (2013.01); **G01N 2291/2636** (2013.01); **G01N 2291/2693** (2013.01); **G01N 2291/2694** (2013.01)

Citation (search report)

See references of WO 2011128066A1

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 2011128066 A1 20111020**; EP 2558852 A1 20130220

DOCDB simple family (application)

**EP 2011001824 W 20110412**; EP 11717183 A 20110412