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 ECKBEREICHS 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

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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

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