

Title (en)

METHOD FOR THE NON-DESTRUCTIVE DETECTING OF AGEING SYMPTOMS OF A COMPONENT HAVING REGULARLY RECURRING STRUCTURES

Title (de)

VERFAHREN ZUM ZERSTÖRUNGSFREIEN DETEKTIEREN VON ALTERUNGSERSCHINUNGEN EINES REGELMÄSSIG WIEDERKEHRENDE STRUKTUREN AUFWEISENDEN BAUTEILS

Title (fr)

PROCÉDÉ DE DÉTECTION NON DESTRUCTIVE DE SIGNES DE VIEILLISSEMENT D'UN ÉLÉMENT STRUCTURAL POSSÉDANT DES STRUCTURES RÉGULIÈREMENT RÉCURRENTES

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Application

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Abstract (en)

[origin: WO2020169286A1] The invention relates to a method for the non-destructive detecting of ageing symptoms of a component having regularly recurring structures, comprising the following steps: a) scanning the component in the region of the recurring structures in a plurality of scanning planes (E) which extend parallel to one another to create at least one scanning image set having a plurality of two-dimensional scanning images (6), wherein the scanning images (6) show a plurality of inhomogeneities (7); b) automatically identifying those inhomogeneities (7) that form recurring patterns, and those inhomogeneities (7) that do not follow a recurring pattern, using a suitable algorithm; and c) detecting ageing symptoms exclusively on the basis of those inhomogeneities (7) which are identified in step b) and do not follow a recurring pattern.

IPC 8 full level

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