

Title (en)

METHOD FOR EVALUATING A TEST DATA SET FROM AN ULTRASONIC TEST

Title (de)

VERFAHREN ZUR AUSWERTUNG EINES PRÜFDATENSATZES EINER ULTRASCHALLPRÜFUNG

Title (fr)

PROCÉDÉ POUR L'ÉVALUATION D'UN JEU DE DONNÉES DE CONTRÔLE D'UN CONTRÔLE ULTRASONORE

Publication

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Application

**EP 18724481 A 20180425**

Priority

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- EP 2018060537 W 20180425

Abstract (en)

[origin: WO2018202485A1] The invention relates to a method for evaluating a test data set from an ultrasonic test of an object (1), which has been determined by means of a transmitter-receiver ultrasonic test head (4) and which comprises a multiplicity of time-dependent ultrasonic amplitude signals, at least for one volume element (42) of the object (1); in which a SAFT amplitude for the volume element (42) is determined by means of a summation of the ultrasonic amplitude signals at the times which correspond to the propagation times of the ultrasound belonging to the respective ultrasonic amplitude from a transmitting unit (41) of the transmitter-receiver ultrasonic test head (4) to the volume element (42) back to a receiving unit (43) of the transmitter-receiver ultrasonic test head (4). The invention further relates to a method for the ultrasonic testing of an object (1).

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- US 6877376 B1 20050412 - SCHUSTER GEORGE J [US], et al
- EP 2120045 A1 20091118 - BAM BUNDESANSTALT MATFORSCHUNG [DE]
- "Fundamentals of Ultrasonic Phased Arrays", vol. 215, 14 August 2014, SPRINGER INTERNATIONAL PUBLISHING, Cham, ISBN: 978-3-319-07272-2, ISSN: 0925-0042, article SCHMERR LESTER W.: "Chapter 12: Imaging with Phased Arrays-An Introduction", pages: 241 - 277, XP055824890, DOI: 10.1007/978-3-319-07272-2\_12
- See also references of WO 2018202485A1

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