

Title (en)

ULTRA SONIC METHOD FOR MEASURING THE THICKNESS OF A FAINTLY REFLECTIVE PARTIAL LAYER BY ADDITION OF ECHO PERIODS

Title (de)

ULTRASCHALL DICKENMESSUNG EINER SCHWACH REFLEKTIERENDEN TEILSCHICHTEN DURCH VON ECHOPERIODEN

Title (fr)

MESURE ULTRASONORE DE L'EPAISSEUR D'UNE COUCHE PARTIELLE FAIBLEMENT REFLECHISSANTE PAR TOTALISATION DE PERIODES D'ECHO

Publication

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Application

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Abstract (en)

[origin: WO02079724A1] The invention relates to ultra sonic measurement of the thickness of a partial layer in a multi-layered structure with reduced boundary surface reflections. A plurality of transmission pulses are produced on a predetermined point on the structure with the help of an ultra sonic probe head. The resulting echo signal associated with a transmission pulse are recorded digitally as an HF image. A plurality of wall thickness echo periods from different running periods are superimposed in a homologous manner with the aid of a computer program.

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