

Title (en)
NON-DESTRUCTIVE MATERIALS TESTING

Title (de)
ZERSTÖRUNGSFREIE WERKSTOFFPRÜFUNG

Title (fr)
TESTS NON DESTRUCTIFS DE MATÉRIAUX

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Application
EP 21700116 A 20210106

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Abstract (en)
[origin: WO2021140121A1] The invention relates to a transceiver probe system device for a device for materials testing, having a transmitter element with an ultrasound exit face, designed to emit ultrasound to a metal sheet, and a receiver element with an ultrasound entry face, designed to receive ultrasound which is reflected by the metal sheet, and wherein the transmitter element and the receiver element are each divided into multiple sub-elements. The present invention also relates to a device comprising the system. The invention further relates to a method for testing metal sheets, having the following method steps: emitting ultrasound (100) via multiple sub-element ultrasound exit faces of a transmitter element to a metal sheet; and receiving ultrasound (200) reflected by the metal sheet via multiple sub-element ultrasound entry faces of a receiver element. The invention furthermore relates to a computer program, a computer-readable medium and to a data signal.

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