

Title (en)

APPARATUS, SYSTEM AND METHOD FOR PROCESSING ACOUSTIC SIGNALS TO IMAGE BEHIND REFLECTIVE LAYERS

Title (de)

VORRICHTUNG, SYSTEM UND VERFAHREN ZUR VERARBEITUNG AKUSTISCHER SIGNALE ZUR ERZEUGUNG VON REGIONENBILDERN, DIE SICH HINTER EINER SPIEGELSCHICHT BEFINDEN.

Title (fr)

APPAREIL, SYSTEME ET PROCEDE DE TRAITEMENT DE SIGNAUX ACOUSTIQUES PERMETTANT DE FORMER DES IMAGES DE REGIONS SITUEES A L'ARRIERE DE COUCHES REFLECHISSANTES

Publication

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Application

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Abstract (en)

[origin: WO9852033A1] A system for acoustically imaging a target region behind an acoustically reflective layer includes a transducer configuration for acquiring acoustic image data from the reflective layer and target region, wherein the reflective layer and target region are divided into voxels circumferentially disposed about a central point. The system includes a mechanism for processing the data wherein the suppressing mechanism facilitates the acquisition of image data from the target region. A transducer configuration of an acoustic sensing tool for determining the consistency of a first medium disposed between a layer having a greater acoustic reflectivity than the first medium and a second medium, the sensing tool including a rotating head, wherein the tool comprises first, second and third transducer pairs in a spaced apart configuration, each pair comprising a transmitting transducer for transmitting an acoustic radiation signal in an insonified zone, and receiving transducer having a receiving radiation pattern in an insonified zone.

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