

Title (en)

MULTI-ELEMENT, CAPACITIVE, ULTRASONIC, AIR-COUPLED TRANSDUCER

Title (de)

KAPAZITIVER LUFTGEKOPPELTER ULTRASCHALLWANDLER MIT MEHREREN ELEMENTEN

Title (fr)

TRANSDUCTEUR ULTRASONORE MULTIÉLÉMENTS CAPACITIF À COUPLAGE AIR

Publication

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Application

EP 17749639 A 20170724

Priority

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- EP 2017068663 W 20170724

Abstract (en)

[origin: WO2018019778A1] The invention concerns a multi-element, capacitive, ultrasonic, air-coupled transducer (100) comprising: - a membrane (120) having an electrically conductive face; and - a plurality of electrically separate conductive elements, consisting of a central disc (111) and a plurality of rings (112) arranged concentrically with the central disc, the conductive elements each having a face arranged facing the membrane (120) and said faces of the conductive elements being of the same surface area; wherein the central disc (111) has a radius (R1) of between 10 mm and 15 mm and wherein the number of conductive elements is between 12 and 18.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018019778A1

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