

Title (en)

ACOUSTIC ANTENNA WITH INTEGRATED PRINTED CIRCUITS

Title (de)

AKUSTISCHE ANTENNE MIT INTEGRIERTEN BESTÜCKTEN LEITERPLATTEN

Title (fr)

ANTENNE ACOUSTIQUE A CIRCUITS IMPRIMES INTEGRES

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Application

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Abstract (en)

[origin: WO2009141569A2] The present invention relates to an acoustic antenna requiring the fewest possible number of assembly operations, which operations can be easily automated. The acoustic antenna according to the invention is characterized in that it comprises an array of elementary transducers (15), each elementary transducer comprising, between a counterweight (10) and a horn (9), at least one ceramic (8), all the elementary transducers being mounted on a common printed circuit (7, 16) for electrical connection between the transducers and for positioning the transducers relative to one another, and at least one connector (26, 27) fixed to this printed circuit, each of the transducers being mounted in such a way that the printed circuit is clamped between the ceramic(s) thereof and the counterweight thereof.

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