

Title (en)
INTEGRATED TRANSDUCER

Title (de)
INTEGRIERTER WANDLER

Title (fr)
TRANSDUCTEUR INTÉGRÉ

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Application
EP 21723636 A 20210217

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Abstract (en)
[origin: WO2021164804A1] Especially in the automotive and aviation sectors, the integration of existing acoustic transducers into the remaining surfaces of claddings in doors, sides, ceilings and panels (instrument panels) etc. is a major problem, since these are usually relatively deep and heavy and constantly represent a challenge and are therefore a contentious topic for designers, above all from the visual point of view. The invention relates to an acoustic transducer which can be fitted or integrated or installed with the least possible space requirement, use of materials and weight, predominantly in the consumer, pro audio and installation sectors and in the land, water and air transport vehicles sector. In contrast to conventional loudspeakers, the transducer according to the invention is an annular acoustic wave former which has a very flat, thin membrane which, depending on the intended use, is usually multi-layered and flexible, which membrane generates sound to a limited extent at certain points or in a ring within the membrane diameter or fastening diameter of the transducer basket.

IPC 8 full level
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