

Title (en)  
LOW THICKNESS PERFORATED MILLE-FEUILLE ACOUSTIC RESONATOR FOR ABSORBING OR RADIATING VERY LOW ACOUSTIC FREQUENCIES

Title (de)  
PERFORIERTER MILLE-FEUILLE-AKUSTIKRESONATOR MIT GERINGER DICKE ZUR ABSORPTION ODER AUSSTRAHLUNG VON SEHR NIEDRIGEN AKUSTISCHEN FREQUENZEN

Title (fr)  
RÉSONATEUR ACOUSTIQUE DE FAIBLE ÉPAISSEUR DE TYPE MILLE-FEUILLE PERFORÉ POUR L'ABSORPTION OU LE RAYONNEMENT ACOUSTIQUE TRÈS BASSES FRÉQUENCES

Publication  
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Application  
**EP 17706165 A 20170201**

Priority  
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• EP 2017052183 W 20170201

Abstract (en)  
[origin: WO2017134125A1] The invention relates to an acoustic resonator comprising a resonating part (1) having a main perforation (2) extending in a propagation direction (21) and a series of lateral cavities (3) communicating with the main perforation (2) in such a way as to form thin acoustic resonators, each lateral cavity (3a, 3b, 3c...) opening onto the main perforation (2) along the entire periphery of a respective segment of said main perforation (2), and the lateral cavities (3) constituting lamina of a fluid so that the resonating part (1) has a "mille-feuille" structure comprising said fluid lamina and layers of a material of the resonant part (1) separating those fluid lamina. See figure 1.

IPC 8 full level  
**G10K 11/172** (2006.01)

CPC (source: EP US)  
**G10K 11/172** (2013.01 - EP US); **G10K 11/168** (2013.01 - EP US)

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See references of WO 2017134125A1

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