

Title (en)

ACOUSTICAL ABSORBER FOR ABSORBING BASS OR SUB-BASS SOUND

Title (de)

SCHALLSCHLUCKER ZUR ABSORPTION VON BASS- ODER TIEFTONKLÄNGEN

Title (fr)

ABSORBEUR ACOUSTIQUE POUR ABSORBER UN SON DE BASSE OU DE SOUS-BASSE

Publication

EP 3750326 A1 20201216 (EN)

Application

EP 19715206 A 20190206

Priority

- PT 11055218 A 20180206
- IB 2019050958 W 20190206

Abstract (en)

[origin: WO2019155381A1] Acoustical absorber for absorbing bass or sub-bass sound comprising: a housing; an exteriorly-facing air-tight diaphragm comprising a centre plate and a peripheral flexible elastic membrane, said housing and diaphragm defining an internal volume; an internal acoustic absorber comprised in said internal volume; wherein the diaphragm is arranged for vibrating on external sound pressure to create air displacement in said internal volume. Said diaphragm may be arranged to be a spring- mass system, wherein the membrane is the spring of the spring-mass system and the centre plate is the mass of the spring-mass system. Said internal acoustic absorber may be a passive absorber or a Helmholtz cavity resonator, in particular the passive absorber being acoustic foam. Said internal volume may be divided into two sub- volumes divided by the internal acoustic absorber, the first sub-volume facing the diaphragm and the second sub-volume facing the housing away from the diaphragm.

IPC 8 full level

H04R 1/28 (2006.01); **G10K 11/00** (2006.01); **G10K 11/172** (2006.01)

CPC (source: EP)

G10K 11/002 (2013.01); **G10K 11/172** (2013.01); **H04R 1/2869** (2013.01); **H04R 1/2876** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019155381 A1 20190815; EP 3750326 A1 20201216

DOCDB simple family (application)

IB 2019050958 W 20190206; EP 19715206 A 20190206