

Title (en)

LOUDSPEAKER ENCLOSURE WITH AT LEAST ONE LOUDSPEAKER WITH A CONVEX MOBILE MEMBRANE EXHIBITING CONTINUITY OF SHAPE WITH AN ADJACENT MEMBER

Title (de)

LAUTSPRECHERGEHÄUSE MIT MINDESTENS EINEM LAUTSPRECHER MIT EINER KONVEXEN MOBILEN MEMBRAN MIT FORMKONTINUITÄT MIT EINEM ANGRENZENDEN ELEMENT

Title (fr)

ENCEINTE ACOUSTIQUE À AU MOINS UN HAUT-PARLEUR À MEMBRANE MOBILE CONVEXE EN CONTINUITÉ DE FORME AVEC UN ORGANE ADJACENT

Publication

**EP 3063949 B1 20200729 (FR)**

Application

**EP 14783637 A 20141013**

Priority

- FR 1360616 A 20131030
- EP 2014071842 W 20141013

Abstract (en)

[origin: WO2015062852A1] Loudspeaker enclosure comprising at least one loudspeaker having a convex mobile membrane (32A), and a member (12) surrounding the mobile membrane and comprising an external surface (12A) bounded by an internal edge ( $\Gamma'$ ) situated facing the mobile membrane. The mobile membrane comprises a peripheral edge ( $\Gamma$ ) situated facing the internal edge of the member (12) and forming a closed loop. The mobile membrane and the member have a suitable shape such that, over a continuous portion ( $\Gamma''$ ) of the peripheral edge ( $\Gamma$ ) representing at least 25%, preferably at least 50%, more preferably still, at least 90%, of the length of the peripheral edge, for any first point (M) on the continuous portion and any second point (M') situated on the internal edge at a location such that the distance between the first point (M) and second point (M') is minimal, the mobile membrane has, at the first point, a first tangent plane (PM), and the external surface (12A) of the member has, at the second point, a second tangent plane (P'M). The first tangent plane and the second tangent plane are essentially coincident with one another.

IPC 8 full level

**H04R 1/24** (2006.01); **H04R 1/28** (2006.01); **H04R 7/12** (2006.01)

CPC (source: EP US)

**H04R 1/24** (2013.01 - EP US); **H04R 1/2896** (2013.01 - EP US); **H04R 5/02** (2013.01 - US); **H04R 7/127** (2013.01 - EP US); **H04R 2201/028** (2013.01 - EP US)

Citation (examination)

- WO 2008038021 A1 20080403 - MARTIN AUDIO LTD [GB], et al
- EP 0926923 A2 19990630 - MURATA MANUFACTURING CO [JP]

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

DOCDB simple family (publication)

**FR 3012716 A1 20150501**; **FR 3012716 B1 20160701**; EP 3063949 A1 20160907; EP 3063949 B1 20200729; US 10313783 B2 20190604; US 2016360311 A1 20161208; WO 2015062852 A1 20150507

DOCDB simple family (application)

**FR 1360616 A 20131030**; EP 14783637 A 20141013; EP 2014071842 W 20141013; US 201415033490 A 20141013