

Title (en)

WAVE-SHAPED SUSPENSION EDGE STRUCTURE AND VIBRATION UNIT

Title (de)

WELLENFÖRMIGE AUFHÄNGUNGSKANTENSTRUKTUR UND VIBRATIONSEINHEIT

Title (fr)

STRUCTURE DE BORD DE SUSPENSION EN FORME D'ONDE, ET UNITÉ DE VIBRATION

Publication

**EP 3096537 B1 20191016 (EN)**

Application

**EP 15737028 A 20150114**

Priority

- CN 201410019799 A 20140116
- CN 201410328141 A 20140710
- CN 2015070682 W 20150114

Abstract (en)

[origin: EP3096537A1] The invention discloses a wave-shaped suspension edge structure. The wave-shaped suspension edge structure includes an elastic suspension edge. The elastic suspension edge is provided around a vibration element and extended between the vibration element and a supporting frame, and the elastic suspension edge further includes a plurality of wave-shaped retaining sections. The wave-shaped retaining sections forms a wave-shaped structure along a circumferential direction around the vibration element so as to ensure a movement direction of the vibration element is kept an axial direction, thereby preventing the vibration element from shaking and deviating. The wave-shaped suspension edge structure is suitable for manufacturing a loudspeaker or a passive vibration plate.

IPC 8 full level

**H04R 9/06** (2006.01); **H04R 7/20** (2006.01)

CPC (source: EP)

**H04R 7/20** (2013.01); **H04R 2307/207** (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

DOCDB simple family (publication)

**EP 3096537 A1 20161123; EP 3096537 A4 20171018; EP 3096537 B1 20191016**; CN 104796825 A 20150722; CN 104796825 B 20190712; WO 2015106685 A1 20150723

DOCDB simple family (application)

**EP 15737028 A 20150114**; CN 201410328141 A 20140710; CN 2015070682 W 20150114