

Title (en)

BASS REFLEX PORT AND ACOUSTIC DEVICE

Title (de)

BASSREFLEXANSCHLUSS UND AKUSTISCHE VORRICHTUNG

Title (fr)

PORT REFLEX DE BASSE ET DISPOSITIF ACOUSTIQUE

Publication

**EP 3249947 A1 20171129 (EN)**

Application

**EP 17172712 A 20170524**

Priority

JP 2016104627 A 20160525

Abstract (en)

A bass reflex port includes a tubular member. A rigidity of a part of a wall surface of the tubular member is smaller than that of a remaining part of the tubular member. A rigidity of a wall surface of at least one end portion of the tubular member in an axis direction of the tubular member is smaller than that of a wall surface of a central portion of the tubular member in the axis direction.

IPC 8 full level

**H04R 1/28** (2006.01)

CPC (source: CN EP)

**H04R 1/20** (2013.01 - CN); **H04R 1/2826** (2013.01 - EP); **H04R 1/2876** (2013.01 - EP); **H04R 1/2884** (2013.01 - EP); **H04R 3/00** (2013.01 - CN); **H04R 2430/00** (2013.01 - CN)

Citation (applicant)

- JP S5663182 A 19810529 - COMMISSARIAT ENERGIE ATOMIQUE
- JP S58173989 A 19831012 - HITACHI LTD

Citation (search report)

- [XA] EP 0361445 A2 19900404 - YAMAHA CORP [JP]
- [XA] DE 20309771 U1 20030918 - GROSCLAUS PETER [DE]
- [XA] WO 2012117229 A1 20120907 - GP ACOUSTICS UK LTD [GB], et al
- [XA] EP 2779692 A2 20140917 - YAMAHA CORP [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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3249947 A1 20171129**; **EP 3249947 B1 20210407**; CN 107438212 A 20171205; CN 107438212 B 20191227; JP 2017212606 A 20171130; JP 6709537 B2 20200617

DOCDB simple family (application)

**EP 17172712 A 20170524**; CN 201710379202 A 20170525; JP 2016104627 A 20160525