

Title (en)

COAXIAL DUAL VOICE COIL SPEAKER

Title (de)

KOAXIALER DOPPELSCHWINGSPULENLAUTSPRECHER

Title (fr)

HAUT-PARLEUR COAXIAL À DOUBLE BOBINE ACOUSTIQUE

Publication

**EP 3448061 A1 20190227 (EN)**

Application

**EP 18190740 A 20180824**

Priority

US 201762550362 P 20170825

Abstract (en)

A coaxial dual voice coil speaker includes a yoke, a ring-shaped magnet, a first plate, a second plate, a first voice coil, a second voice coil, and an isolating ring. The yoke includes a base and a column, where the column extends from one end of the base, and the column has a protruding portion and a ring-shaped flange. The ring-shaped flange surrounds the protruding portion. A ring-shaped groove is located between the ring-shaped flange and the protruding portion. The ring-shaped magnet is sleeved on the yoke, and the first plate is disposed on the ring-shaped magnet. The isolating ring is disposed in the ring-shaped groove. The second plate is disposed on the isolating ring. A first magnetic gap is located between the second plate and the first plate, and a second magnetic gap is located between the second plate and the protruding portion.

IPC 8 full level

**H04R 9/02** (2006.01); **H04R 9/06** (2006.01); **H04R 1/24** (2006.01)

CPC (source: CN EP)

**H04R 9/025** (2013.01 - CN EP); **H04R 9/045** (2013.01 - CN); **H04R 9/063** (2013.01 - EP); **H04R 9/066** (2013.01 - CN); **H04R 1/24** (2013.01 - EP)

Citation (search report)

- [A] US 2014286524 A1 20140925 - ROBINEAU PHILIPPE JEAN-BAPTISTE [GB]
- [A] CN 105848064 A 20160810 - QINGDAO GOERTEK CO LTD

Cited by

WO2024000693A1; WO2024045278A1

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 3448061 A1 20190227**; **EP 3448061 B1 20191113**; CN 109429151 A 20190305; CN 109429151 B 20231201; CN 208754543 U 20190416

DOCDB simple family (application)

**EP 18190740 A 20180824**; CN 201810971987 A 20180824; CN 201821382532 U 20180824