

Title (en)  
Headphone and sound emitting device

Title (de)  
Kopfhörer und Schallausgabevorrichtung

Title (fr)  
Écouteur et dispositif d'émission acoustique

Publication  
**EP 2750406 A1 20140702 (EN)**

Application  
**EP 13020137 A 20131220**

Priority  
JP 2012280813 A 20121225

Abstract (en)  
A headphone includes a sound emitting device, a signal supply portion, and either one of an ear hook portion and a headband portion. The sound emitting device includes a body portion and first and second driver units. The body portion has a first air chamber, a second air chamber communicating with the first air chamber, and a duct opened in the second air chamber and opened to an external space. The first driver unit is disposed on the body portion so that an output sound is directly emitted to the external space. The second driver unit is disposed on the body portion so that the output sound is emitted into the first air chamber. The signal supply portion supplies an audio signal to the first and second driver units. The ear hook portion or the headband portion is connected to the sound emitting device.

IPC 8 full level  
**H04R 1/28** (2006.01); **H04R 5/033** (2006.01); **H04R 1/10** (2006.01); **H04R 1/24** (2006.01)

CPC (source: EP)  
**H04R 1/2819** (2013.01); **H04R 5/033** (2013.01); **H04R 1/10** (2013.01); **H04R 1/24** (2013.01)

Citation (search report)

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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 2750406 A1 20140702; EP 2750406 B1 20161214; JP 2014127730 A 20140707; JP 6102246 B2 20170329**

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