

Title (en)  
Loudspeaker

Title (de)  
Lautsprecher

Title (fr)  
Haut-parleur

Publication  
**EP 2811756 A1 20141210 (DE)**

Application  
**EP 13170503 A 20130604**

Priority  
EP 13170503 A 20130604

Abstract (en)  
[origin: CN204168461U] The utility model relates to a loudspeaker, which comprises a housing (10) and at least one acoustic transformer (38, 40) arranged in the housing. According to the technical scheme of the utility model, a plurality of channels (42, 44 and 46) are extending in the housing (10) while being separated from one another. By means of the channels, sound waves can be arranged at the front/rear side of the at least one acoustic transformer (38, 40) by means of the at least one acoustic transformer (38, 40). In this way, the reaction force of sound waves emitted from one part of a film onto the other part of the film can be avoided. Therefore, the distortion of the loudspeaker is reduced.

Abstract (de)  
Die Erfindung betrifft einen Lautsprecher mit einem Gehäuse (10) und mit mindestens einem in dem Gehäuse angeordneten Schallwandler (38, 40). Um eine möglichst verzerrungsfreie Schallwiedergabe durch den Lautsprecher zu ermöglichen, wird erfindungsgemäß vorgeschlagen, dass eine Vielzahl von in dem Gehäuse (10) ausgebildeten, getrennt voneinander verlaufenden Kanälen (42, 44, 46) für die von der Vorder- und/oder Rückseite des mindestens einen Schallwandlers (38, 40) erzeugten Schallwellen vorgesehen ist.

IPC 8 full level  
**H04R 1/28** (2006.01); **H04R 1/02** (2006.01); **H04R 1/34** (2006.01)

CPC (source: EP)  
**H04R 1/2826** (2013.01); **H04R 1/023** (2013.01); **H04R 1/345** (2013.01)

Citation (applicant)  
EP 0191595 B1 19920722

Citation (search report)  
• [X] DE 29716471 U1 19980730 - LIEN KIN LUNG [TW]  
• [X] US 2193399 A 19400312 - FISHER ALLAN W  
• [XY] EP 1292170 A2 20030312 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [XY] EP 2180719 A2 20100428 - VESTEL ELEKT SANAYI VE TICARET [TR]  
• [Y] DE 3431005 A1 19860306 - GRUNDIG EMV [DE]  
• [X] DE 4036334 A1 19920521 - THOMSON BRANDT GMBH [DE]  
• [X] US 5117463 A 19920526 - OYABA TAKASHI [JP], et al  
• [X] WO 2009085785 A2 20090709 - MOTOROLA INC [US], et al

Cited by  
EP4203494A1

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 2811756 A1 20141210; EP 2811756 B1 20170412; CN 204168461 U 20150218; DK 2811756 T3 20170703**

DOCDB simple family (application)  
**EP 13170503 A 20130604; CN 201420495344 U 20140604; DK 13170503 T 20130604**