

Title (en)
SOUND CHAIR AND SOUND TRANSMITTING MODULES

Title (de)
KLANGSTUHL UND KLANGÜBERTRAGUNGSMODULE

Title (fr)
FAUTEUIL SONORISÉ ET MODULES D'ÉMISSION DU SON

Publication
EP 3332759 A1 20180613 (EN)

Application
EP 16202579 A 20161207

Priority
EP 16202579 A 20161207

Abstract (en)
The present invention refers to a sound chair, which enables to physically feel the sensation of music and other vibrations, comprising: a chair (100) comprising a chair frame (110), a seat area (120), and an optional kneeling area (130); and at least two sound transmitter modules (200, 202, 204, 206) detachably connected to the chair (100), wherein at least one of the sound transmitter modules (200, 202, 204, 206) is adapted to transmit sound indirectly into the chair (100) via structure-borne sound. A sound transmitter module (200) comprises a loudspeaker (210) adapted to generate sound, and a holding element (216) adapted to attach the loudspeaker (210) to an external attachment position, wherein the sound transmitter module (200) further comprises at least one contact plate (212), wherein the contact plate (212) is adapted to transmit the sound generated by the loudspeaker (210) to a specific part of a human body which is in contact with the contact plate (212). The structure-borne sound experience of a user is enhanced by spatially distributing the application of structure-borne sound. Mechanical damping of excited structure-borne sound can thus be minimized.

IPC 8 full level
A61H 23/02 (2006.01); **H04R 5/02** (2006.01); **H04R 5/04** (2006.01)

CPC (source: EP)
A61H 23/0236 (2013.01); **H04R 5/023** (2013.01); **A61H 2201/0149** (2013.01); **A61H 2201/1619** (2013.01); **A61H 2201/1623** (2013.01); **A61H 2201/1628** (2013.01); **A61H 2201/165** (2013.01); **A61H 2205/08** (2013.01); **A61H 2205/081** (2013.01); **A61H 2205/083** (2013.01); **H04R 5/04** (2013.01)

Citation (applicant)
• US 4055170 A 19771025 - NOHMURA RYOTARO
• US 8638966 B2 20140128 - TAYLOR OH ELIZABETH ANN [SG], et al
• US 2011251535 A1 20111013 - BENDER EDDIE L [US]
• US 5101810 A 19920407 - SKILLE OLAV [NO], et al

Citation (search report)
• [X] WO 2015144185 A1 20151001 - AMAGER HOSPITAL [DK]
• [X] EP 0787476 A2 19970806 - SOKO CO LTD [JP]
• [X] WO 2007103325 A2 20070913 - TACTILE SOUND SYSTEMS INC [US], et al
• [X] FR 2307424 A1 19761105 - BODYSONIC KK [JP]
• [X] WO 2006048723 A1 20060511 - DELLA RAGIONE RICCARDO [IT], et al

Cited by
IT202000018976A1

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 3332759 A1 20180613

DOCDB simple family (application)
EP 16202579 A 20161207