

Title (en)
Adaptable noise creation device

Title (de)
Adaptive Rauscherzeugungsvorrichtung

Title (fr)
Dispositif adaptatif de production de bruit

Publication
EP 2141691 A1 20100106 (DE)

Application
EP 08012021 A 20080703

Priority
EP 08012021 A 20080703

Abstract (en)
The device (1) has an actuator (3) arranged on a carrier plate (2) that is excited by vibrations. The plate is connected with an acoustic insulating material (9). Noise signals of the actuator are regulated by a control/regulation device (4) that is connected with the actuator. An amplifier (5) is arranged between the device (1) and the actuator. The plate is formed as a wall plate, ceiling plate, floor plate, room divider, furniture plate, cabinet plate and/or partition wall. A memory of a computer of the device (4) stores noise tone-characteristics that are changeable by a preset program. The insulating material is selected from mineral wool, gypsum foam, aluminum foam, polyurethane foam, melamine resin foam, hemp wool, non-woven fabric and/or felt material.

Abstract (de)
Die vorliegende Erfindung betrifft eine akustische, adaptive Rauscherzeugungsvorrichtung, die dazu geeignet ist, in akustisch schwierigen Umgebungen die Konzentrationsfähigkeit von Menschen zu erhöhen.

IPC 8 full level
G10K 11/175 (2006.01); **H04R 7/04** (2006.01)

CPC (source: EP US)
G10K 11/1754 (2020.05 - EP US); **H04R 7/04** (2013.01 - EP US); **H04R 2440/05** (2013.01 - EP US)

Citation (applicant)
DE 484872 C 19291026 - DIETZ, et al

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2141691 A1 20100106; **EP 2141691 B1 20100915**; AT E481704 T1 20101015; CA 2729692 A1 20100107; CA 2729692 C 20160809; DE 202008017352 U1 20090709; DE 502008001335 D1 20101028; DK 2141691 T3 20110103; ES 2352732 T3 20110222; PL 2141691 T3 20110331; PT 2141691 E 20101216; SI 2141691 T1 20101130; US 2011211721 A1 20110901; US 8611576 B2 20131217; WO 2010000411 A1 20100107

DOCDB simple family (application)
EP 08012021 A 20080703; AT 08012021 T 20080703; CA 2729692 A 20090624; DE 202008017352 U 20080703; DE 502008001335 T 20080703; DK 08012021 T 20080703; EP 2009004561 W 20090624; ES 08012021 T 20080703; PL 08012021 T 20080703; PT 08012021 T 20080703; SI 200830077 T 20080703; US 200913002215 A 20090624