

Title (en)

Method and device for active noise masking

Title (de)

Verfahren und Vorrichtung zur aktiven Schallmaskierung

Title (fr)

Procédé et dispositif de masquage actif du son

Publication

EP 2546830 A3 20171206 (DE)

Application

EP 12174570 A 20120702

Priority

DE 102011051727 A 20110711

Abstract (en)

[origin: EP2546830A2] The method involves providing multiple sound actuators (3) i.e. speakers, distributed over a surface area of a space (1), and providing sound sensors (4) i.e. microphones, arranged in the space, where the sound actuators or the sound sensors are arranged in a ceiling or a wall of the space. The sound actuators are actuated in response to sound values detected by the sound sensors, with respect to a desired sound-related space division, or with respect to person signals or object signals, which are detected by the sound sensors. An independent claim is also included for a device for influencing noise in a space.

IPC 8 full level

G10K 11/178 (2006.01); **G10K 11/175** (2006.01)

CPC (source: EP US)

E04B 1/8209 (2013.01 - EP US); **E04B 5/14** (2013.01 - EP US); **E04B 9/001** (2013.01 - EP US); **G10K 11/1752** (2020.05 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17861** (2017.12 - EP US); **G10K 11/17873** (2017.12 - EP US); **H04K 3/45** (2013.01 - EP); **H04K 3/84** (2013.01 - EP); **E04B 1/86** (2013.01 - EP US); **E04B 9/006** (2013.01 - EP US); **G10K 11/175** (2013.01 - EP); **G10K 2210/12** (2013.01 - EP US); **G10K 2210/3046** (2013.01 - EP US); **G10K 2210/3219** (2013.01 - EP US); **G10K 2210/3224** (2013.01 - EP US); **H04K 2203/12** (2013.01 - EP); **H04K 2203/34** (2013.01 - EP); **H04R 3/14** (2013.01 - EP US); **H04R 27/00** (2013.01 - EP US); **H04R 2227/001** (2013.01 - EP US)

Citation (search report)

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- [XI] US 2005226434 A1 20051013 - FRANZ JOHN P [US], et al
- [XI] US 4052720 A 19771004 - MCGREGOR HOWARD NORMAN, et al
- [A] EP 1249828 A2 20021016 - SIEMENS AG [DE]

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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 2546830 A2 20130116; EP 2546830 A3 20171206; DE 102011051727 A1 20130117; US 2013016847 A1 20130117

DOCDB simple family (application)

EP 12174570 A 20120702; DE 102011051727 A 20110711; US 201213545142 A 20120710