Title (en)

Model selection of acoustic conditions for active noise control

Title (de)

Modellauswahl akustischer Zustände für aktive Geräuschminderung

Title (fr)

Sélection de modèle de conditions acoustiques pour contrôle actif du bruit

Publication

EP 2701143 A1 20140226 (EN)

Application

EP 12306013 A 20120821

Priority

EP 12306013 A 20120821

Abstract (en)

It is proposed active noise control method for reducing the amount of noise in a local zone (CZ) comprising capturing at least one audio signal (e, x) inside an area (A) including at least the local zone and generating an anti-noise signal (y) which is function of this at least one audio signal and from a model of the acoustic characteristics of at least a part of the area, wherein this model is selected among a set (B) of predetermined models in accordance with at least one physical measurement (s(n)) representative of these acoustic characteristics.

IPC 8 full level

G10K 11/178 (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP US)

G10K 11/17815 (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17855** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); **H04R 3/005** (2013.01 - EP US); H04R 2410/05 (2013.01 - EP); H04R 2460/01 (2013.01 - EP); H04R 2499/11 (2013.01 - EP)

Citation (search report)

- [XY] US 2011299695 A1 20111208 - NICHOLSON GUY C [US]
- [Y] US 2012057718 A1 20120308 - VERNON SCOTT DENNIS [US]
- [A] US 7317801 B1 20080108 - AMIR NEHEMIA [IL]

Cited by

GB2555059A; GB2555059B; CN108428444A; EP3001411A1; CN105464752A; US9402132B2; US10215067B2; WO2016189285A1; WO2021204754A1; US10338883B2; US10599389B2; US11379176B2; EP2755204B1

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 2701143 A1 20140226

DOCDB simple family (application)

EP 12306013 A 20120821