Title (en)
DEVICE AND METHOD FOR DISTINGUISHING NATURAL AND ARTIFICIAL SOUND

Title (de)
VORRICHTUNG UND VERFAHREN ZUR UNTERSCHEIDUNG VON NATÜRLICHEN UND KÜNSTLICHEN TÖNEN

Title (fr)
DISPOSITIF ET PROCÉDÉ PERMETTANT DE DISTINGUER DES SONS NATURELS ET ARTIFICIELS

Publication
EP 3419021 A1 20181226 (EN)

Application
EP 17305754 A 20170620

Priority
EP 17305754 A 20170620

Abstract (en)
Device (400) and method for determining if sound is artificial. A hardware input interface (440) obtains (S510) a signal corresponding to sound in an environment, and at least one hardware processor (410) calculates (S520, S530), by from the signal at least one of a descriptor related to loudness and a descriptor related to silence and determines (S540) that the sound is artificial in case a variance of the descriptor related to loudness is below a first threshold value or in case the descriptor related to silence is below a second threshold value.

IPC 8 full level
G10L 25/51 (2013.01); **G10L 25/21** (2013.01)

CPC (source: EP)
G10L 25/21 (2013.01); **G10L 25/51** (2013.01); G10L 25/78 (2013.01)

Citation (search report)
- [I] US 2013204607 A1 20130808 - BAKER IV FORREST [US]
- [A] ADAM GREENHALL ET AL: "Cepstral mean based speech source discrimination", ACOUSTICS SPEECH AND SIGNAL PROCESSING (ICASSP), 2010 IEEE INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 14 March 2010 (2010-03-14), pages 4490 - 4493, XP031697529, ISBN: 978-1-4244-4295-9

Cited by
CN109682676A; EP3828888A1; US11930332B2; WO2021104818A1

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)
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DOCDB simple family (application)
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