

Title (en)

METHOD AND DEVICE FOR IDENTIFYING ACOUSTIC ANOMALIES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG VON AKUSTISCHEN ANOMALIEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'IDENTIFICATION D'ANOMALIES ACOUSTIQUES

Publication

EP 4097695 B1 20240221 (DE)

Application

EP 21702020 A 20210127

Priority

- DE 102020200946 A 20200127
- EP 2021051804 W 20210127

Abstract (en)

[origin: WO2021151915A1] The invention relates to a method (100) for detecting anomalies, comprising the following steps: obtaining a long-term recording (113) containing a plurality of first audio segments (ABCD) each allocated to respective first time windows; analysing the plurality of first audio segments (ABCD) to obtain for each of the plurality of first audio segments (ABCD) a first feature vector describing the respective first audio segment (ABCD); obtaining a further recording (123) containing one or more second audio segments (ABCD) each allocated to respective second time windows; analysing the one or more second audio segments (ABCD) to obtain one or more feature vectors describing the one or more second audio segments (ABCD); comparing the one or more second feature vectors with the plurality of first feature vectors to identify at least one anomaly, such as a time, tonal or spatial anomaly.

IPC 8 full level

G08B 13/04 (2006.01); **G08B 13/16** (2006.01); **G08B 21/04** (2006.01)

CPC (source: EP US)

G08B 13/04 (2013.01 - EP); **G08B 13/1672** (2013.01 - EP); **G08B 21/0469** (2013.01 - EP); **G10L 25/51** (2013.01 - US)

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

DOCDB simple family (publication)

DE 102020200946 A1 20210729; EP 4097695 A1 20221207; EP 4097695 B1 20240221; US 2022358952 A1 20221110; WO 2021151915 A1 20210805

DOCDB simple family (application)

DE 102020200946 A 20200127; EP 2021051804 W 20210127; EP 21702020 A 20210127; US 202217874072 A 20220726