

Title (en)

Method and apparatus for enhancing sound sources

Title (de)

Verfahren und Vorrichtung zur Erweiterung von Schallquellen

Title (fr)

Procédé et appareil d'amélioration de sources acoustiques

Publication

EP 3029671 A1 20160608 (EN)

Application

EP 14306947 A 20141204

Priority

EP 14306947 A 20141204

Abstract (en)

A recording is usually a mixture of signals from several sound sources. The directions of the dominant sources in the recording may be known or determined using a source localization algorithm. To isolate or focus on a target source, multiple beamformers may be used. In one embodiment, each beamformer points to a direction of a dominant source and the outputs from the beamformers are processed to focus on the target source. Depending on whether the beamformer pointing to the target source has an output that is larger than the outputs of other beamformers, a reference signal or a scaled output of the beamformer pointing to the target source can be used to determine the signal corresponding to the target source. The scaling factor may depend on a ratio of the output of the beamformer pointing to the target source and the maximum value of the outputs of the other beamformers.

IPC 8 full level

G10L 21/0208 (2013.01); **G10L 21/0272** (2013.01)

CPC (source: EP)

G10L 21/0208 (2013.01); **G10L 21/0272** (2013.01); **G10L 2021/02166** (2013.01)

Citation (search report)

- [XI] US 2009097670 A1 20090416 - JEONG SO-YOUNG [KR], et al
- [X] EP 2562752 A1 20130227 - ASAHI CHEMICAL IND [JP]
- [A] US 2010081487 A1 20100401 - CHEN SHAOHAI [US], et al

Cited by

CN113593596A

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 3029671 A1 20160608

DOCDB simple family (application)

EP 14306947 A 20141204