

Title (en)

ESTIMATING AN OPTIMIZED MASK FOR PROCESSING ACQUIRED SOUND DATA

Title (de)

SCHÄTZUNG EINER OPTIMIERTEN MASKE ZUR VERARBEITUNG VON ERFASSTEN TONDATEN

Title (fr)

ESTIMATION D'UN MASQUE OPTIMISE POUR LE TRAITEMENT DE DONNEES SONORES ACQUISES

Publication

**EP 4315328 A1 20240207 (FR)**

Application

**EP 22714494 A 20220318**

Priority

- FR 2103400 A 20210401
- FR 2022050495 W 20220318

Abstract (en)

[origin: WO2022207994A1] The present description relates to processing sound data acquired by a plurality of microphones (MIC), in which: - on the basis of the signals acquired by the plurality of microphones, determining a direction of arrival of a sound originating from at least one sound source of interest (S4); - applying spatial filtering to the sound data as a function of the direction of arrival of the sound (S5); - estimating in the time-frequency domain ratios of a quantity representative of a signal amplitude, between the filtered sound data on the one hand and the acquired sound data on the other hand (S6); - as a function of the estimated ratios, producing a weight mask to be applied in the time-frequency domain to the acquired sound data (S7) with a view to constructing a sound signal representing the sound originating from the source of interest but boosted with respect to ambient noise (S10; S9- S10).

IPC 8 full level

**G10L 21/0208** (2013.01); **G10L 21/0216** (2013.01)

CPC (source: EP US)

**G10L 21/0208** (2013.01 - EP US); **G10L 2021/02166** (2013.01 - EP 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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022207994 A1 20221006**; CN 117121104 A 20231124; EP 4315328 A1 20240207; FR 3121542 A1 20221007; US 2024212701 A1 20240627

DOCDB simple family (application)

**FR 2022050495 W 20220318**; CN 202280026623 A 20220318; EP 22714494 A 20220318; FR 2103400 A 20210401; US 202218553378 A 20220318