

Title (en)

AUDIO DEVICE WITH A PLURALITY OF ATTENUATORS

Title (de)

AUDIOVORRICHTUNG MIT MEHREREN DÄMPFUNGSGLIEDERN

Title (fr)

DISPOSITIF AUDIO COMPOSÉ D'UNE PLURALITÉ D'ATTÉNUATEURS

Publication

**EP 4156183 A1 20230329 (EN)**

Application

**EP 21199648 A 20210928**

Priority

EP 21199648 A 20210928

Abstract (en)

An audio device comprising an interface, memory, and a processor is disclosed, wherein the processor is configured to: obtain a first microphone input signal and a second microphone input signal; process the first microphone input signal and the second microphone input signal for provision of an output audio signal; and output the output audio signal; wherein to process the first microphone input signal and the second microphone input signal comprises to: determine a primary gain with a primary attenuator based on one or more features associated with the first microphone input signal and the second microphone input signal; determine a secondary gain with a secondary attenuator based on one or more features associated with the first microphone input signal and the second microphone input signal; determine a noise suppression scheme based on the primary gain and the secondary gain; and apply the noise suppression scheme to a first beamforming output signal for provision of the output audio signal.

IPC 8 full level

**G10L 21/0208** (2013.01); **G10L 21/0216** (2013.01); **H04R 3/00** (2006.01)

CPC (source: EP)

**G10L 21/0208** (2013.01); **G10L 2021/02166** (2013.01); **H04R 3/005** (2013.01); **H04R 2430/20** (2013.01)

Citation (search report)

- [X1] US 2012140946 A1 20120607 - YEN KUAN-CHIEH [US], et al
- [X1] WO 2013030345 A2 20130307 - GN NETCOM AS [DK], et al

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)

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