

Title (en)
ACTIVE NOISE-CONTROL DEVICE

Title (de)
VORRICHTUNG ZUR AKTIVEN GERÄUSCHDÄMPFUNG

Title (fr)
DISPOSITIF DE CONTROLE ACTIF DE BRUIT

Publication
EP 3326170 B1 20220525 (FR)

Application
EP 16745669 A 20160722

Priority
• FR 1557049 A 20150724
• EP 2016067589 W 20160722

Abstract (en)
[origin: WO2017017037A1] Disclosed is an active noise-control device comprising two earphones (3) each provided with an external microphone (14), an internal microphone (15) and a loudspeaker (16). The control device comprises a processing chain (30) having a feedforward filter linked to the external microphones, a feedback filter linked to the internal microphones, and a reconstruction module supplying every loudspeaker with a signal reconstructed from the output signals of the feedforward filter and the feedback filter. The processing chain comprises a slicer positioned between the feedforward filter and the reconstruction module to ensure that the volume of the reconstructed sound is not too high. The control device comprises adjustment means for the combined adjustment of the slicer and a total gain of the control device.

IPC 8 full level
G10K 11/178 (2006.01)

CPC (source: EP US)
G10K 11/17821 (2017.12 - EP US); **G10K 11/17823** (2017.12 - EP US); **G10K 11/1783** (2017.12 - EP US); **G10K 11/17837** (2017.12 - EP US); **G10K 11/17853** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17861** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); **G10K 11/17885** (2017.12 - EP US); **G10K 2210/1081** (2013.01 - EP); **G10K 2210/111** (2013.01 - EP); **G10K 2210/3039** (2013.01 - EP); **G10K 2210/3056** (2013.01 - EP); **G10K 2210/509** (2013.01 - EP)

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)
FR 3039310 A1 20170127; **FR 3039310 B1 20170818**; EP 3326170 A1 20180530; EP 3326170 B1 20220525; WO 2017017037 A1 20170202

DOCDB simple family (application)
FR 1557049 A 20150724; EP 16745669 A 20160722; EP 2016067589 W 20160722