

Title (en)

METHOD OF CONTROLLING AN ACOUSTIC NOISE REDUCTION AUDIO SYSTEM BY USER TAPS

Title (de)

VERFAHREN ZUR STEUERUNG EINES AUDIOSYSTEM ZUR REDUZIERUNG VON GERÄUSCHEN DURCH TIPPEN DES BENUTZERS

Title (fr)

PROCÉDÉ DE COMMANDE D'UN SYSTÈME AUDIO DE RÉDUCTION DE BRUIT ACOUSTIQUE PAR DES TAPES D'UTILISATEUR

Publication

**EP 3662465 B1 20210707 (EN)**

Application

**EP 18733712 A 20180516**

Priority

- US 201715668386 A 20170803
- US 201815889745 A 20180206
- US 201815889752 A 20180206
- US 2018032858 W 20180516

Abstract (en)

[origin: WO2019027532A1] Described are a headphone and a method for controlling an audio system. The method includes tapping a headphone or head of a user to cause an acoustic pressure change in an ear canal of the user wherein the ear canal is sealed by an acoustic noise reduction (ANR) headphone having an ANR module. A current provided to the ANR module is sensed and used to determine if a tap or a dual tap occurred. A mode of operation of the audio system or an attribute of an audio input signal may be changed in response to the determination of an occurrence of a tap or a dual tap.

IPC 8 full level

**G10K 11/178** (2006.01); **H04R 1/10** (2006.01)

CPC (source: EP)

**G10K 11/178** (2013.01); **H04R 1/1041** (2013.01); **H04R 1/1083** (2013.01); **H04R 5/033** (2013.01); **H04R 5/04** (2013.01); **H04R 2460/01** (2013.01)

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)

**WO 2019027532 A1 20190207**; CN 110998713 A 20200410; CN 110998713 B 20231226; EP 3662465 A1 20200610; EP 3662465 B1 20210707

DOCDB simple family (application)

**US 2018032858 W 20180516**; CN 201880050665 A 20180516; EP 18733712 A 20180516