

Title (en)

A METHOD OF DETERMINING A STATUS OF AN ACOUSTIC FEEDBACK PATH OF A HEAD WEARABLE HEARING DEVICE AND A HEAD WEARABLE HEARING DEVICE

Title (de)

VERFAHREN ZUR BESTIMMUNG EINES ZUSTANDS EINES PFADS VON AKUSTISCHEM FEEDBACK EINES AM KOPF TRAGBAREN HÖRGERÄTS SOWIE AM KOPF TRAGBARES HÖRGERÄT

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UN ÉTAT D'UN TRAJET DE RÉTROACTION ACOUSTIQUE D'UN DISPOSITIF AUDITIF PORTABLE SUR LA TÊTE ET DISPOSITIF AUDITIF PORTABLE SUR LA TÊTE

Publication

EP 3675524 A1 20200701 (EN)

Application

EP 18248206 A 20181228

Priority

EP 18248206 A 20181228

Abstract (en)

The invention relates to a method of determining a status of an acoustic feedback path (FB) of a head wearable hearing device (100), the head wearable hearing device (100) comprising a first housing (10) being located in the ear canal (420) of a user, a microphone (110, 110', 110''), and a first control system (200) configured for controlling the active vent (20) of the first housing (10) between an open state and a closed state; the first housing (10) comprising a loudspeaker (15), the method comprising: - emitting an acoustic signal (RS) from said loudspeaker (15) - measuring (503, 603) a first transfer function (AV_Open) between the loudspeaker/receiver (15) and the microphone (110) in response to the emitted signal (RS), when the active vent (20) is expected to be in an open state; - measuring (505, 605) a second transfer function (AV_Close) between the loudspeaker/receiver (15) and the microphone (110) in response to the emitted signal (RS), when the active vent (20) is expected to be in a closed state; determining the state of the active vent (20) based at least on a comparison the first and second measured transfer functions (AV_Open, AV_Close).

IPC 8 full level

H04R 25/00 (2006.01); **H04R 1/10** (2006.01)

CPC (source: CN EP)

H04R 25/453 (2013.01 - EP); **H04R 29/001** (2013.01 - CN); **H04R 1/1016** (2013.01 - EP); **H04R 25/305** (2013.01 - EP); **H04R 2225/0216** (2019.04 - EP); **H04R 2225/61** (2013.01 - EP); **H04R 2460/05** (2013.01 - EP); **H04R 2460/11** (2013.01 - EP)

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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 3675524 A1 20200701; CN 111385727 A 20200707; CN 111385727 B 20230922; DK 3675526 T3 20211025; EP 3675526 A1 20200701; EP 3675526 B1 20210728; JP 2020115636 A 20200730

DOCDB simple family (application)

EP 18248206 A 20181228; CN 201911378779 A 20191227; DK 19217727 T 20191218; EP 19217727 A 20191218; JP 2019234914 A 20191225