

Title (en)

WIRELESS MICROPHONE AND/OR IN-EAR MONITORING SYSTEM AND METHOD FOR CONTROLLING A WIRELESS MICROPHONE AND/OR IN-EAR MONITORING SYSTEM

Title (de)

DRAHTLOS-MIKROFON- UND/ODER IN-EAR-MONITORING-SYSTEM UND VERFAHREN ZUM STEUERN EINES DRAHTLOS-MIKROFON-UND/ODER IN-EAR-MONITORING-SYSTEMS

Title (fr)

SYSTÈME DE MICROPHONE ET/OU DE CONTRÔLE PAR ÉCOUTEUR INTRAURICULAIRE SANS FIL ET PROCÉDÉ DE COMMANDE DU SYSTÈME DE MICROPHONE ET/OU DE CONTRÔLE PAR ÉCOUTEUR INTRAURICULAIRE SANS FIL

Publication

EP 3440846 B1 20200610 (DE)

Application

EP 17716491 A 20170404

Priority

- DE 102016106105 A 20160404
- EP 2017058003 W 20170404

Abstract (en)

[origin: WO2017174589A1] A wireless microphone and/or in-ear monitor system is proposed that has at least one clock master (TM) for prescribing a word clock and at least one clock slave (TS) that can be synchronised to the word clock prescribed by the clock master (TM). Between the clock master (TM) and the at least one clock slave (TS) there is a digital wireless transmission link that digitally transmits both synchronisation signals and audio signals. The clock master (TM) has a clock reference in order to prescribe a first sample clock (S1). The clock master further has a synchronisation interface (SY) for wirelessly transmitting a synchronisation word (S). The clock master (TM) has a first timer (T1). A first phase (P1) of the first clock signal (S1) is detected after expiry of the first timer (T1) and the first phase (P1) is wirelessly transmitted to the at least one clock slave (TS). The at least one first clock slave (TS) has a second timer (T2). After expiry of the second timer (T2), a second phase (P2) of the second clock signal (S2) of the clock slave (TS) is detected and is compared with the wirelessly transmitted first phase (P1). The difference between the first and second phases (P1, P2) is used as an input variable for a control unit (R) in the at least one clock slave (TS). The control unit (R) adjusts an adjustable sample clock of the at least one clock slave (TS) such that it corresponds to the first clock (S1) of the clock master (TM).

IPC 8 full level

H04R 3/00 (2006.01)

CPC (source: EP US)

H04R 3/00 (2013.01 - EP US); **H04R 2420/07** (2013.01 - 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

DOCDB simple family (publication)

DE 102016106105 A1 20171005; EP 3440846 A1 20190213; EP 3440846 B1 20200610; US 10499148 B2 20191203; US 2019141440 A1 20190509; WO 2017174589 A1 20171012

DOCDB simple family (application)

DE 102016106105 A 20160404; EP 17716491 A 20170404; EP 2017058003 W 20170404; US 201716090970 A 20170404