

Title (en)

APPARATUS AND METHOD FOR PROVIDING AUDIO COVERAGE IN A ROOM

Title (de)

VORRICHTUNG UND VERFAHREN FÜR DIE SCHALLVERSORGUNG IN EINEM RAUM

Title (fr)

DISPOSITIF ET PROCÉDÉ DESTINÉS À ALIMENTER UN ESPACE EN SON

Publication

**EP 4374581 A2 20240529 (DE)**

Application

**EP 22751661 A 20220713**

Priority

- DE 102021207693 A 20210719
- DE 102021211051 A 20210930
- EP 2022069667 W 20220713

Abstract (en)

[origin: WO2023001673A2] An apparatus for providing audio coverage in a room having a first loudspeaker and a second loudspeaker, having the following features: a drive signal generator (10) for generating a first drive signal (15a) for the first loudspeaker and a second drive signal (15b) for the second loudspeaker, wherein the drive signal generator (10) has the following features: a mixed signal generator stage (12) for generating a first mixed signal (13a) for the first drive signal (15a) and a second mixed signal (13b) for the second drive signal (15b) from a first channel signal (6) or a second channel signal (8), in such a way that the first mixed signal (13a) and the second mixed signal (13b) have a phase difference; a mixer stage (14) for mixing the first channel signal (6) with the first mixed signal (13a), in order to obtain the first drive signal (15a), and for mixing the second channel signal (8) with the second mixed signal (13b), in order to obtain the second drive signal (15b); and an interface (16) for transmitting the first drive signal (15a) to the first loudspeaker and for transmitting the second drive signal (15b) to the second loudspeaker.

IPC 8 full level

**H04R 5/04** (2006.01); **H04R 5/02** (2006.01); **H04R 27/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)

**H04R 5/023** (2013.01 - EP); **H04R 5/04** (2013.01 - EP US); **H04S 7/303** (2013.01 - US); **H04S 7/305** (2013.01 - US); **H04R 27/00** (2013.01 - EP); **H04R 2205/024** (2013.01 - EP US); **H04R 2420/01** (2013.01 - EP); **H04R 2499/13** (2013.01 - EP); **H04S 7/30** (2013.01 - EP); **H04S 2400/01** (2013.01 - US); **H04S 2400/15** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2023001673 A2 20230126**; **WO 2023001673 A3 20230427**; EP 4374581 A2 20240529; TW 202318884 A 20230501; US 2024147184 A1 20240502

DOCDB simple family (application)

**EP 2022069667 W 20220713**; EP 22751661 A 20220713; TW 111126879 A 20220718; US 202418402911 A 20240103