

Title (en)

MIXING DESK, METHOD AND COMPUTER PROGRAM FOR PROVIDING A SOUND SIGNAL

Title (de)

MISCHPULT, VERFAHREN UND COMPUTERPROGRAMM ZUM BEREITSTELLEN EINES TONSIGNALS

Title (fr)

PUPITRE DE MIXAGE, PROCÉDÉ ET PROGRAMME INFORMATIQUE DE FOURNITURE D'UN SIGNAL AUDIO

Publication

EP 3005737 B1 20170111 (DE)

Application

EP 14729613 A 20140521

Priority

- DE 102013105375 A 20130524
- EP 2014060481 W 20140521

Abstract (en)

[origin: WO2014187877A2] The invention relates to a mixing desk (300) for processing at least one first and one second source signal and for providing a mixed sound signal comprising a sound signal generator (100) for providing a sound signal (120) for a virtual listening position (202) within a room (200), in which an acoustic scene of at least one first microphone (204) at a first known position within the room (200) is recorded as the first source signal (210) and an acoustic scene of at least one second microphone (206) at a second known position within the room (200) is recorded as the second source signal (212). The sound signal generator (100) comprises an input interface (102) which is designed in order to receive the first source signal (210) recorded by the first microphone (204) and the second source signal (212) recorded by the second microphone (206), and further comprises a geometry processor (104) which is designed in order to determine a first item of geometry information (110) based on the first position and the virtual listening position (202) and to determine a second item of geometry information (112) based on the second position and the virtual listening position (202). A signal generator (106) for providing the sound signal (120) is designed to combine at least the first source signal (210) and the second source signal (212) according to a combination rule using the first item of geometry information (110) and the second item of geometry information (112).

IPC 8 full level

G10L 19/008 (2013.01); **H04R 5/027** (2006.01); **H04R 29/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)

H04R 29/005 (2013.01 - EP US); **H04S 7/30** (2013.01 - EP US); **H04S 7/301** (2013.01 - US); **H04S 7/40** (2013.01 - US); **G10L 19/008** (2013.01 - EP US); **H04R 5/027** (2013.01 - EP US); **H04S 2400/03** (2013.01 - US); **H04S 2400/11** (2013.01 - EP US); **H04S 2400/15** (2013.01 - EP US); **H04S 2420/01** (2013.01 - EP 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 102013105375 A1 20141127; CN 105264915 A 20160120; CN 105264915 B 20171024; EP 3005737 A2 20160413; EP 3005737 B1 20170111; JP 2016522640 A 20160728; JP 6316407 B2 20180425; KR 101820224 B1 20180228; KR 20160012204 A 20160202; US 10075800 B2 20180911; US 2016119734 A1 20160428; WO 2014187877 A2 20141127; WO 2014187877 A3 20150219

DOCDB simple family (application)

DE 102013105375 A 20130524; CN 201480029942 A 20140521; EP 14729613 A 20140521; EP 2014060481 W 20140521; JP 2016514404 A 20140521; KR 20157036333 A 20140521; US 201414892660 A 20140521