

Title (en)

Sound field spatial stabilizer with structured noise compensation

Title (de)

Räumlicher Schallfeldstabilisator mit strukturierter Rauschkompensation

Title (fr)

Stabilisateur spatial du champ sonore avec compensation de bruit structurée

Publication

**EP 2816816 B1 20180117 (EN)**

Application

**EP 13173047 A 20130620**

Priority

EP 13173047 A 20130620

Abstract (en)

[origin: EP2816816A1] In a system and method for maintaining the spatial stability of a sound field a balance gain may be calculated for two or more microphone signals. The balance gain may be associated with a spatial image in the sound field. Signal values may be calculated for each of the microphone. The signal values may be signal estimates or signal gains calculated to improve a characteristic of the microphone signals. The differences between the signal values associated with each microphone signal may be limited although some difference between signal values may be allowable. One or more microphone signals are adjusted responsive to the two or more balance gains and the signal gains to maintain the spatial stability of the sound field. The adjustments of one or more microphone signals may include mixing of two or more microphone. The signal gains are applied to the two or more microphone signals.

IPC 8 full level

**H04R 3/00** (2006.01); **H04R 3/02** (2006.01)

CPC (source: EP)

**H04R 3/005** (2013.01); **H04R 3/02** (2013.01); **H04R 2410/07** (2013.01); **H04R 2499/11** (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)

**EP 2816816 A1 20141224; EP 2816816 B1 20180117**

DOCDB simple family (application)

**EP 13173047 A 20130620**