

Title (en)
TEMPORAL SPATIAL AUDIO PARAMETER SMOOTHING

Title (de)
ZEITLICHE RÄUMLICHE AUDIOPARAMETERGLÄTTUNG

Title (fr)
LISSAGE TEMPOREL DE PARAMÈTRE AUDIO SPATIAL

Publication
EP 3766262 A4 20211110 (EN)

Application
EP 19767481 A 20190307

Priority
• GB 201803993 A 20180313
• FI 2019050178 W 20190307

Abstract (en)
[origin: GB2571949A] Spatial audio signal processing where at least one audio signal is received before determining at least one spatial parameter associated with the at least one audio signal and generating an adaptive smoothing parameter 703 based on the at least one spatial parameter. This is followed by determining panning gains 715 for applying to a first part of the at least one audio signals, applying the adaptive smoothing parameter to the panning gains to generate associated smoothed panning gains 717, before applying the smoothed panning gains to the first part of the at least one audio signal to generate a positioned audio signal 709. Preferably decorrelation is applied to a second part of the audio signal to generate an ambient signal 707. Preferably the adaptive smoothing parameter is based upon a direction smoothness parameter. Preferably the direction smoothness parameter is averaged based on the energy of the audio signal to generate the adaptive smoothing parameter.

IPC 8 full level
G10L 19/008 (2013.01); **H04R 1/32** (2006.01); **H04R 3/12** (2006.01); **H04R 5/04** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP GB)
G10L 19/008 (2013.01 - EP GB); **G10L 19/02** (2013.01 - GB); **G10L 19/26** (2013.01 - GB); **H04S 1/007** (2013.01 - EP); **H04S 3/008** (2013.01 - GB); **H04S 7/304** (2013.01 - EP); **G10L 2019/0012** (2013.01 - GB); **H04S 2400/03** (2013.01 - GB); **H04S 2400/11** (2013.01 - EP); **H04S 2400/15** (2013.01 - EP); **H04S 2420/03** (2013.01 - EP)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2019175472A1

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)
GB 201803993 D0 20180425; **GB 2571949 A 20190918**; EP 3766262 A1 20210120; EP 3766262 A4 20211110; EP 3766262 B1 20221123; WO 2019175472 A1 20190919

DOCDB simple family (application)
GB 201803993 A 20180313; EP 19767481 A 20190307; FI 2019050178 W 20190307