

Title (en)  
SPECTRAL CORRECTION USING SPATIAL CALIBRATION

Title (de)  
SPEKTRALE KORREKTUR MITTELS RÄUMLICHER KALIBRIERUNG

Title (fr)  
CORRECTION SPECTRALE À L'AIDE D'UN ÉTALONNAGE SPATIAL

Publication  
**EP 3485655 A1 20190522 (EN)**

Application  
**EP 17754501 A 20170714**

Priority  

- US 201615211835 A 20160715
- US 201615211822 A 20160715
- US 2017042191 W 20170714

Abstract (en)  
[origin: WO2018013959A1] Example techniques may involve performing aspects of a spectral calibration using an applied spatial calibration. An example implementation may include receiving data representing spatial filters that correspond to respective playback configurations. The implementation may also involve causing the audio drivers to output calibration audio that is divided into a repeating set of frames, the set of frames including a respective frame for each playback configuration. Causing the audio drivers to output the calibration audio may involve causing an audio stage to apply, during each frame, the spatial filter corresponding to the respective playback configuration. The implementation may also include receiving data representing spectral filters that correspond to respective playback configurations, the spectral filters based on the calibration audio output by the audio drivers. When playing back audio content in a given playback configuration, the audio stage may apply a particular spectral filter corresponding to that configuration.

IPC 8 full level  
**H04S 7/00** (2006.01); **H04R 27/00** (2006.01); **H04R 29/00** (2006.01)

CPC (source: CN EP)  
**H04R 27/00** (2013.01 - CN EP); **H04S 7/301** (2013.01 - CN EP); **H04R 29/007** (2013.01 - CN EP); **H04R 2227/005** (2013.01 - CN EP); **H04R 2227/007** (2013.01 - CN EP)

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

DOCDB simple family (publication)  
**WO 2018013959 A1 20180118**; CN 109716795 A 20190503; CN 109716795 B 20201204; CN 112492502 A 20210312; CN 112492502 B 20220719; EP 3485655 A1 20190522; EP 3485655 B1 20240103; EP 4325895 A2 20240221; EP 4325895 A3 20240515

DOCDB simple family (application)  
**US 2017042191 W 20170714**; CN 201780057093 A 20170714; CN 202011278502 A 20170714; EP 17754501 A 20170714; EP 23212793 A 20170714