Title (en)
APPARATUS AND METHOD FOR DOWNMIXING MULTICHANNEL AUDIO SIGNALS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ABWÄRTSMISCHUNG VON MEHRKANAL-AUDIOSIGNALEN

Title (fr)
APPAREIL ET PROCÉDÉ DE SOUS-MIXAGE DE SIGNAUX AUDIO MULTICANAUX

Publication
EP 3583786 A4 20201223 (EN)

Application
EP 18754857 A 20180216

Priority
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Abstract (en)
[origin: WO2018151858A1] A method for processing a multi-channel input audio signal is performed at a computing device. The method includes the following steps: selecting, from the multi-channel input audio signal, a left input channel and a right input channel, wherein the left input channel and the right input channel correspond to a pair of spatially symmetrical signal sources; generating one or more cross-channel features from the left input channel and the right input channel; processing, in accordance with the cross-channel features, the left input channel and the right input channel to generate a left intermediate channel and a right intermediate channel; and combining each of the left intermediate channel and the right intermediate channel with a third input channel of the multi-channel input audio signal to form a two-channel output audio signal.

IPC 8 full level
H04S 3/00 (2006.01); **G10L 19/008** (2013.01)

CPC (source: EP KR)
G10L 19/008 (2013.01 - EP KR); **H04S 3/008** (2013.01 - EP KR); H04S 2400/03 (2013.01 - EP); H04S 2400/07 (2013.01 - EP); H04S 2420/01 (2013.01 - EP); H04S 2420/03 (2013.01 - KR)

Citation (search report)
- [XI] US 2011243338 A1 20111006 - BROWN C PHILLIP [US]
- [XI] US 8050434 B1 20111101 - KATO HIDEAKI [JP], et al
- [XI] US 2012170756 A1 20120705 - KRAEMER ALAN D [US], et al
- [ADP] WO 2017074321 A1 20170504 - AMBIDIO INC [US]
- See references of WO 2018151858A1

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

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US 2018000075 W 20180216; CN 201880003285 A 20180216; EP 18754857 A 20180216; JP 2019503460 A 20180216; KR 20197007657 A 20180216; TW 107105810 A 20180221