

Title (en)  
HYBRID SPATIAL AUDIO DECODER

Title (de)  
DECODIERER VON HYBRIDEM RÄUMLICHEM AUDIO

Title (fr)  
DÉCODEUR AUDIO SPATIAL HYBRIDE

Publication  
**EP 3980993 B1 20240731 (EN)**

Application  
**EP 20711440 A 20200214**

Priority  
• US 201962858296 P 20190606  
• US 2020018447 W 20200214

Abstract (en)  
[origin: WO2020247033A1] A spatial audio signal decoder is provided that includes a processor and storage media that includes instructions that when executed cause the processor to: receive input spatial audio signals including a set of channels having an input spatial format; partition the set of channels into at least a first channel subset and a second channel subset; determine an estimate of a number and directions of arrival of directional audio sources represented in at least a portion of the set of channels; determine one of the active and passive components of the first channel subset signals, based at least in part on the estimated number and directions of arrival of directional audio sources; determine the other of the active and passive components of the first channel subset signals, based upon the determined one of the active and passive components of the first channel subset signals; decode the components to an output signal.

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

CPC (source: EP KR)  
**G10L 19/008** (2013.01 - EP KR); **H04S 3/008** (2013.01 - EP KR); **H04S 2420/03** (2013.01 - EP KR); **H04S 2420/11** (2013.01 - EP KR)

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)  
**WO 2020247033 A1 20201210**; EP 3980993 A1 20220413; EP 3980993 B1 20240731; EP 3980993 C0 20240731; KR 20220027938 A 20220308

DOCDB simple family (application)  
**US 2020018447 W 20200214**; EP 20711440 A 20200214; KR 20227000392 A 20200214