

Title (en)  
AN APPARATUS AND ASSOCIATED METHODS FOR PRESENTATION OF AUDIO

Title (de)  
VORRICHTUNG UND ZUGEHÖRIGES VERFAHREN ZUR PRÄSENTATION VON AUDIO

Title (fr)  
APPAREIL ET PROCÉDÉS ASSOCIÉS DE PRÉSENTATION D'AUDIO

Publication  
**EP 3588986 A1 20200101 (EN)**

Application  
**EP 18180734 A 20180629**

Priority  
EP 18180734 A 20180629

Abstract (en)  
An apparatus comprising means configured to: receive first and second position information indicative of the location of a respective first and second user with respect to a presentation space; provide for presentation, using a first selection of loudspeakers, of secondary audio of first audio content based on the first user being in and the second user being outside the presentation space; and provide for presentation of secondary audio of the first audio content using a second selection of the loudspeakers and the secondary audio of the second audio content using a third selection of the loudspeakers, the second selection comprising fewer loudspeakers than the first selection, and the second and third selections comprising non-overlapping selections based on the location of the first and second user in the presentation space, wherein the first and second audio content each comprise primary audio and different, ambient secondary audio.

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

CPC (source: EP)  
**H04R 27/00** (2013.01); **H04S 7/303** (2013.01); **H04R 2227/003** (2013.01); **H04S 7/305** (2013.01); **H04S 2400/11** (2013.01);  
**H04S 2400/15** (2013.01); **H04S 2420/01** (2013.01); **H04S 2420/11** (2013.01)

Citation (search report)

- [X] US 2017188170 A1 20170629 - PRINS MARTIN [NL], et al
- [X] US 2017070820 A1 20170309 - BEHRINGER ULRICH [PH]
- [X] US 2015358756 A1 20151210 - HARMA AKI SAKARI [NL], et al
- [I] US 2013191753 A1 20130725 - SUGIYAMA NOBUKAZU [US], et al
- [I] US 2017353811 A1 20171207 - MCGIBNEY GRANT HOWARD [CA]

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)  
**EP 3588986 A1 20200101**; WO 2020002302 A1 20200102

DOCDB simple family (application)  
**EP 18180734 A 20180629**; EP 2019066783 W 20190625