

Title (en)  
Audio system for open retail spaces

Title (de)  
Audiosystem für offene Einzelhandelsräume

Title (fr)  
Système audio pour espaces au détail ouverts

Publication  
**EP 2390874 A1 20111130 (EN)**

Application  
**EP 10163923 A 20100526**

Priority  
EP 10163923 A 20100526

Abstract (en)  
Disclosed is an open retail space comprising an audio system. The audio system comprises a first and a second audio zone for providing the open retail space with a first and a second soundscape, each audio zone comprising a speaker. The open retail space comprises static noise sources resulting in a first and a second static noise signal in the first and second audio zones. The first and second static noise signals have a respective specific frequency spectrum. The audio system further comprises a multitrack player for providing the speaker of the first audio zone with a first audio signal and the speaker of the second audio zone with a second audio signal, and wherein the first audio signal has a frequency spectrum configured to perceptually mask the first static noise signal and the second audio signal has a frequency spectrum configured to perceptually mask the second static noise signal.

IPC 8 full level  
**G10K 11/16** (2006.01); **G10K 11/175** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)  
**G10K 11/1752** (2020.05 - EP US); **H04K 3/45** (2013.01 - EP); **H04K 3/84** (2013.01 - EP); **H04R 27/00** (2013.01 - EP); **H04K 3/42** (2013.01 - EP); **H04K 3/43** (2013.01 - EP); **H04K 2203/12** (2013.01 - EP); **H04K 2203/34** (2013.01 - EP)

Citation (applicant)  
US 4953221 A 19900828 - HOLLY ARTHUR C [US], et al

Citation (search report)  
• [X] EP 1860911 A1 20071128 - HARMAN BECKER AUTOMOTIVE SYS [DE]  
• [X] US 2009060216 A1 20090305 - SWEENEY JEFFREY M [US], et al  
• [X] US 2009003617 A1 20090101 - GOLDMAN STUART O [US], et al  
• [X] WO 9613029 A1 19960502 - COMPTOIR DE LA TECHNOLOGIE [FR], et al  
• [X] WO 0137256 A1 20010525 - ROYAL COLLEGE OF ART [GB], et al  
• [X] US 2008304677 A1 20081211 - ABOLFATHI AMIR [US], et al

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
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