

Title (en)
Sound capture system

Title (de)
Tonaufnahmesystem

Title (fr)
Système de capture sonore

Publication
EP 3001697 B1 20200701 (EN)

Application
EP 14186544 A 20140926

Priority
EP 14186544 A 20140926

Abstract (en)
[origin: EP3001697A1] A sound capture system may include a first number of first omnidirectional microphones that provide first output signals with an omnidirectional response pattern and that are disposed at different positions in a first equidistance from a point of symmetry. The sound capture system may further include a second number of second omnidirectional microphones that provide second output signals with an omnidirectional response pattern and that are disposed at different positions in a second equidistance from the point of symmetry, and an evaluation circuit that is configured to receive the first output signals and the second output signals, and to superimpose the first and second output signals of pairs of omnidirectional microphones for producing, in response thereto, third output signals with a directional response pattern. The second number is a multiple of two and the first equidistance is smaller than the second equidistance. Each of the second omnidirectional microphones forms with another of the second omnidirectional microphones a pair of second microphones, the microphones of a pair of second microphones being disposed in line with each other and the point of symmetry.

IPC 8 full level
H04R 1/40 (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP)
H04R 1/406 (2013.01); **H04R 3/005** (2013.01); **H04R 2201/401** (2013.01); **H04R 2430/20** (2013.01); **H04S 2400/15** (2013.01)

Citation (examination)
EP 2747449 A1 20140625 - HARMAN BECKER AUTOMOTIVE SYS [DE]

Cited by
IL272380B1; EP3525482A1; US10721559B2; WO2020011962A1

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