

Title (en)
MICROPHONE ARRAY

Title (de)
MIKROFONARRAY

Title (fr)
RÉSEAUX DE MICROPHONES

Publication
EP 3788796 A1 20210310 (DE)

Application
EP 19725653 A 20190506

Priority
• DE 102018110759 A 20180504
• EP 2019061529 W 20190506

Abstract (en)
[origin: WO2019211487A1] For specific applications, such as e.g. in a sports stadium, a microphone array having particularly high directivity in the vertical direction and a high, but broadly adjustable, directivity in the horizontal direction is provided. The microphone array (100) has a plurality of microphones (110), the output signals of which are combined to produce at least one joint output signal (360). The microphones are directional microphones having a preferred direction of high sensitivity (115) and arranged substantially in one plane on a circle (120) or circle segment, so that each microphone has a different preferred direction of high sensitivity. In this case, the preferred direction of high sensitivity (115) for each of the microphones lies substantially orthogonally in relation to the circle or circle segment. A joint output signal (360) of the microphone array is obtained by beamforming (310,..., 350). The microphone array (100) has an adjustable preferred direction of high sensitivity, wherein the joint output signal (360) contains the sound picked up from this adjustable direction.

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

CPC (source: EP US)
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Citation (search report)
See references of WO 2019211487A1

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