

Title (en)
Array microphone

Title (de)
Mikrofonanordnung

Title (fr)
Réseau de microphones

Publication
EP 1737271 A1 20061227 (EN)

Application
EP 05450112 A 20050623

Priority
EP 05450112 A 20050623

Abstract (en)

The invention relates to an array microphone (30), which is formed from at least two basic microphones connected with a signal processor, which makes use of an algorithm for the processing of the signals of the basic microphones. The array microphone is characterized in that the basic microphones are sound field microphones (5, 5').

IPC 8 full level
H04S 3/00 (2006.01); **H04R 1/40** (2006.01)

CPC (source: EP)
H04R 5/027 (2013.01); **H04S 3/00** (2013.01); **H04R 2201/401** (2013.01); **H04S 2400/15** (2013.01); **H04S 2420/11** (2013.01)

Citation (applicant)

- DE 4436272 A1 19960418 - SCHALLTECHNIK DR ING SCHOEPS G [DE]
- US 4042779 A 19770816 - CRAVEN PETER GRAHAM, et al
- DE 2531161 A1 19760122 - NAT RESEARCH DEV CORP LONDON
- "MICROPHONE ARRAYS", 2001, SPRINGER VERLAG
- "MICROPHONE ARRAYS", 2001, SPRINGER VERLAG, pages: 159
- PHILIP S. COTTERELL: "On the Theory of the Second-Order Soundfield Microphone", BSC, MSC, AMIEE, DEPARTMENT OF CYBER- NETICS, February 2002 (2002-02-01)

Citation (search report)

- [X] MICHALE A. GERZON: "Microphone Techniques for 3-Channel Stereo", AUDIO ENGINEERING SOCIETY, October 1992 (1992-10-01), internet, XP002354290, Retrieved from the Internet <URL:<http://pddocserv/specdocs/data/handbooks/AES/Conv-Preprints/1992/PP9210/3509.pdf>> [retrieved on 20051116]
- [A] DAVE MALHAM: "The role of the single point soundfield microphone in surround sound systems", 1998, pages 52 - 57, XP002354291, Retrieved from the Internet <URL:<http://pddocserv/specdocs/data/handbooks/AES/UK-Cnf-Proc/1998LO03/1667.pdf>> [retrieved on 20051116]

Cited by

KR20140091578A; CN111819862A; CN108632711A; CN110579275A; EP2262277A1; CN101911721A; EP2592846A1; CN104041074A;
KR20140089601A; US11632626B2; US9407869B2; US9173048B2; US8472639B2; US9420372B2; WO2009062211A1; WO2009062210A1;
WO2019174725A1; WO2009062212A1; WO2009062213A1; WO2013068284A1; WO2017152601A1; WO2009062214A1; US8345898B2;
US10477310B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

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