Title (en)

Method for reducing interference power in a directional microphone and corresponding acoustical system

Title (de)

Verfahren zur Reduktion von Störleistungen bei einem Richtmikrophon und entsprechendes Akustiksystem

Title (fr)

Procédé pour réduire la puissance perturbatrice dans un microphone directionnel et système électro-acoustique correspondant

Publication

EP 1653768 A3 20100602 (DE)

Application

EP 05109462 A 20051012

Priority

DE 102004052912 A 20041102

Abstract (en)

[origin: EP1653768A2] The method involves adjusting the directivity by changing adaptation parameters such that a sum of interfering power consisting of microphone noise and radiated power of undesired signal sources is minimized as the output signal power of a directional microphone is minimized. The microphone is aligned in the given direction and a signal source is considered as undesired, when the source lies outside an angle around the given direction. An independent claim is also included for an acoustic system with a directional microphone.

IPC 8 full level

H04R 3/00 (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP US)

H04R 3/005 (2013.01 - EP US); **H04R 25/407** (2013.01 - EP US)

Citation (search report)

- [XY] WO 0197558 A2 20011220 - GN RESOUND CORP [US]
- [Y] WO 0001200 A1 20000106 - UNIV STIRLING [GB], et al
- [AD] WO 0101731 A1 20010104 - TOEPHOLM & WESTERMANN [DK], et al
- [AD] DE 10327889 B3 20040916 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]

Cited by

EP1945000A1; US8238593B2; US8090128B2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1653768 A2 20060503; **EP 1653768 A3 20100602**; DE 102004052912 A1 20060511; US 2006104459 A1 20060518; US 8135142 B2 20120313

DOCDB simple family (application)

EP 05109462 A 20051012; DE 102004052912 A 20041102; US 26342905 A 20051031