

Title (en)

Method for reducing interference and corresponding acoustic system

Title (de)

Verfahren zur Reduktion von Störleistungen und entsprechendes Akustiksystem

Title (fr)

Procédé destiné à la réduction de puissances d'interférence et système acoustique correspondant

Publication

EP 1945000 B1 20100106 (DE)

Application

EP 08100172 A 20080108

Priority

DE 102007001642 A 20070111

Abstract (en)

[origin: EP1945000A1] The method involves providing three microphone signals ($x-1(k)$, $x-2(k)$, $x-3(k)$). An adaptive filtering of the former and the latter microphone signals is provided regarding a direction, where a direction-determining parameter is adapted such that the sum of interfering powers is reduced. Another adaptive filtering of the latter and third microphone signal is provided regarding the direction, where a direction-determining another parameter is adapted such that the sum of interfering powers is reduced. The former parameter is independent of the latter parameter. 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); **H04R 2430/03** (2013.01 - EP US); **H04R 2430/20** (2013.01 - EP US)

Cited by

EP2182739A1; US8358789B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1945000 A1 20080716; **EP 1945000 B1 20100106**; AT E454791 T1 20100115; DE 102007001642 A1 20080724; DE 502008000292 D1 20100225; DK 1945000 T3 20100510; US 2009129608 A1 20090521; US 8090128 B2 20120103

DOCDB simple family (application)

EP 08100172 A 20080108; AT 08100172 T 20080108; DE 102007001642 A 20070111; DE 502008000292 T 20080108; DK 08100172 T 20080108; US 868908 A 20080111