

Title (en)

System and method for generating auditory spatial cues

Title (de)

System und Verfahren zur Erzeugung von richtungsbestimmenden Merkmalen im Hörbereich

Title (fr)

Système et procédé pour générer des marqueurs auditifs spatiaux

Publication

EP 1841281 B1 20150729 (EN)

Application

EP 06111808 A 20060328

Priority

EP 06111808 A 20060328

Abstract (en)

[origin: EP1841281A1] This invention relates to a hearing aid system (100, 200, 300) for generating auditory spatial cues. The hearing aid system (100, 200, 300) comprises a first microphone unit (306) adapted to convert sound received at a first microphone (102) and received at a second microphone (104), a first delay unit (106) connected to the first microphone (102) delaying the signal from the first microphone (102), a first calculation unit (108) for summing the delayed signal of the first microphone (102) and signal of the second microphone (104), a processor unit (110) processing the summed signal, and a speaker converting the processed signal to a processed sound. The first and second microphones (102, 104) are separated by a predetermined first distance and the first delay unit (106) provides a predetermined first delay thereby generating a first auditory spatial cue representing a first spatial dimension in the summed signal.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP)

H04R 25/407 (2013.01); **H04R 25/554** (2013.01); **H04S 2420/01** (2013.01)

Citation (examination)

GB 2370176 A 20020619 - STANIER JAMES GREGORY [GB]

Cited by

DE102008046966B3; CN107925814A; US8285383B2; US10419871B2; US8706248B2

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

DOCDB simple family (publication)

EP 1841281 A1 20071003; EP 1841281 B1 20150729; AU 2007201362 A1 20071018; AU 2007201362 B2 20101216; CN 101064972 A 20071031; CN 101064972 B 20121212; DK 1841281 T3 20151026

DOCDB simple family (application)

EP 06111808 A 20060328; AU 2007201362 A 20070328; CN 200710086965 A 20070327; DK 06111808 T 20060328