Title (en)

METHOD AND DEVICE FOR GENERATING DATA ABOUT THE MUTUAL POSITION OF AT LEAST THREE ACOUSTIC TRANSDUCERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON DATEN ÜBER DIE GEGENSEITIGE LAGE VON MINDESTENS DREI SCHALLWANDLERN

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION DE DONNEES CONCERNANT LA POSITION RELATIVE D'AU MOINS TROIS TRANSDUCTEURS ACOUSTIQUES

Publication

EP 1520447 A1 20050406 (DE)

Application

EP 03720076 A 20030520

Priority

- CH 0300323 W 20030520
- CH 8822002 A 20020527

Abstract (en)

[origin: US7272073B2] The invention relates to a method and device for generating data about the mutual position of at least three acoustic transducers. The aim of the invention is to make it possible to continuously measure and calculate the mutual position of at least three acoustic transducers, particularly the rotation and the position of a human head wearing headphones within a room without using any additional transmitter element on the head, headphone, or body of the listener, during audio playback. This aim is achieved by connecting the acoustic transducers to a digitally operated system which comprises an output path emitting audio signals to first and second acoustic transducers, an input path receiving audio signals from the third acoustic transducer, an audio signal source that is connected to the output path, an ultrasound generator that is connected to the output path, and an information generator which indicates a position and is connected to the input path.

IPC 1-7

H04S 1/00

IPC 8 full level

H04S 1/00 (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)

H04S 1/005 (2013.01 - EP US); **H04S 7/304** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03101150 A1 20031204; AT E427008 T1 20090415; DE 50311340 D1 20090507; EP 1520447 A1 20050406; EP 1520447 B1 20090325; US 2005226437 A1 20051013; US 7272073 B2 20070918

DOCDB simple family (application)

CH 0300323 W 20030520; AT 03720076 T 20030520; DE 50311340 T 20030520; EP 03720076 A 20030520; US 51550505 A 20050523