Title (en)

Method and system for sound spatialisation by dynamic movement of the source

Title (de)

Verfahren und System zur Anpassung des Klangs an Weltraumbedingungen durch dynamische Bewegung der Quelle

Title (fr)

Procédé et système de spatialisation du son par mouvement dynamique de la source

Publication

EP 2194734 A1 20100609 (FR)

Application

EP 09174579 A 20091030

Priority

FR 0806229 A 20081107

Abstract (en)

The method involves defining spatialized sound signals by a virtual origin position among a set of virtual origin positions (33-35) corresponding to information position, and applying an oscillatory movement (32) describing the set of virtual origin positions of the spatialized sound signal to the spatialized sound signal by performing an algorithmic-process. A sound intensity variation law is applied on the spatialized sound signal during the movement of the spatialized sound signal, where sound intensity ranges between a maximum level (40) and a minimum level (39). An independent claim is also included for a system for algorithmic-processing of signals for sound spatialization.

Abstract (fr)

L'invention concerne un procédé et le système de traitement algorithmique de signaux pour la spatialisation sonore permettant d'associer des signaux sonores à des informations devant être localisées par un auditeur, les signaux sonores spatialisés étant définis par une position virtuelle d'origine 33 correspondant à la position de l'information, caractérisé en ce que , par traitement algorithmique, on applique à un signal sonore spatialisé un mouvement oscillatoire 32 décrivant une suite de positions virtuelles 33, 34, 35 dudit signal autour de la position virtuelle d'origine 33. L'invention s'applique aux applications d'interface homme machine, notamment dans un système avionique de cockpit. Elle permet de mieux localiser les informations en leur associant une information sonore spatialisée.

IPC 8 full level

H04S 7/00 (2006.01)

CPC (source: EP US)

H04S 7/30 (2013.01 - EP US); H04S 7/304 (2013.01 - EP US); H04S 2400/11 (2013.01 - EP US); H04S 2420/01 (2013.01 - EP US)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2194734 A1 20100609; FR 2938396 A1 20100514; US 2010183159 A1 20100722

DOCDB simple family (application)

EP 09174579 A 20091030; FR 0806229 A 20081107; US 61258909 A 20091104