

Title (en)

METHOD FOR SIMULATING A MOVEMENT BY MEANS OF AN ACOUSTIC REPRODUCTION DEVICE, AND SOUND REPRODUCTION ARRANGEMENT THEREFOR

Title (de)

VERFAHREN ZUM VORTÄUSCHEN EINER BEWEGUNG MITTELS EINER AKUSTISCHEN WIEDERGABEEINRICHTUNG UND SCHALLWIEDERGABEANORDNUNG DAFÜR

Title (fr)

PROCEDE DE SIMULATION D'UN MOUVEMENT AU MOYEN D'UN DISPOSITIF DE REPRODUCTION ACOUSTIQUE ET DISPOSITIF DE REPRODUCTION SONORE DESTINE A CET EFFET

Publication

EP 1552720 B1 20091209 (DE)

Application

EP 03770903 A 20031006

Priority

- DE 0303309 W 20031006
- DE 10248754 A 20021018

Abstract (en)

[origin: WO2004040939A2] The invention relates to a method for simulating a movement in a pre-determined direction in relation to a reference point (P) in the vicinity of an acoustic reproduction device, said method comprising the following steps: a) an acoustic reproduction device is provided for producing at least two virtual sound sources; and b) the acoustic reproduction device is controlled by means of a control unit which is used to repeatedly and successively displace the at least two virtual sound sources (VS A, VS B, VS C, VS D) from a pre-determined starting point (SP) to a pre-determined end point (EP) and then rapidly back to the starting point (SP). A direction of displacement (B) of the at least two virtual sound sources (VS A, VS B, VS C, VS D) coincides with the direction of the movement to be simulated. The invention also relates to a sound reproduction arrangement for carrying out said method.

IPC 8 full level

H04R 5/00 (2006.01); **H04S 3/00** (2006.01)

CPC (source: EP KR US)

H04R 3/12 (2013.01 - KR); **H04R 5/02** (2013.01 - KR); **H04S 3/00** (2013.01 - EP US); **H04S 3/002** (2013.01 - KR); **H04S 5/005** (2013.01 - KR); **H04S 7/301** (2013.01 - KR); **H04S 7/302** (2013.01 - KR); **A63F 2300/6063** (2013.01 - EP KR US)

Designated contracting state (EPC)

DE ES FI FR GB IT

DOCDB simple family (publication)

WO 2004040939 A2 20040513; **WO 2004040939 A3 20040916**; AU 2003280300 A1 20040525; AU 2003280300 A8 20040525; CN 1706221 A 20051207; DE 10248754 A1 20040513; DE 10248754 B4 20041118; DE 50312211 D1 20100121; EP 1552720 A2 20050713; EP 1552720 B1 20091209; JP 2006503512 A 20060126; KR 100697442 B1 20070320; KR 20050048686 A 20050524; US 2006126877 A1 20060615

DOCDB simple family (application)

DE 0303309 W 20031006; AU 2003280300 A 20031006; CN 200380101651 A 20031006; DE 10248754 A 20021018; DE 50312211 T 20031006; EP 03770903 A 20031006; JP 2004547394 A 20031006; KR 20057006335 A 20050413; US 53184005 A 20051205