

Title (en)

Sounding device

Title (de)

Beschallungseinrichtung

Title (fr)

Dispositif de sonorisation

Publication

EP 1104221 A3 20050608 (DE)

Application

EP 00124848 A 20001114

Priority

DE 19956690 A 19991125

Abstract (en)

[origin: EP1104221A2] Loudspeakers in general, and including those used in audio equipment e.g. for application in motor vehicles, suffer from the shortcoming of not being able to intrinsically vary their acoustic radiation characteristic, and any change obtained is at the cost of changing the position of the loudspeaker, or incorporating some sort of aid, such as acoustic reflectors, a signal summation stage etc. To change the loudspeaker acoustic emission characteristic more easily, the acoustic radiation characteristic of two loudspeakers (1,2) is made dependent of the evaluation (weighting) of the input signals (E1,E2).

IPC 1-7

H04R 5/02; H04R 5/00; H04S 5/02

IPC 8 full level

H04R 5/02 (2006.01)

CPC (source: EP US)

H04R 5/02 (2013.01 - EP US)

Citation (search report)

- [XA] US 5889867 A 19990330 - BAUCK JERALD L [US]
- [XA] WO 9854926 A1 19981203 - BAUCK JERALD L [US]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 013, no. 413 (E - 820) 12 September 1989 (1989-09-12)
- [YA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 02 31 March 1995 (1995-03-31)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 004, no. 133 (E - 026) 18 September 1980 (1980-09-18)

Cited by

EP1280377A1; WO03078204A3; WO03041448A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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EP 1104221 A2 20010530; **EP 1104221 A3 20050608**; **EP 1104221 B1 20110406**; AT E505035 T1 20110415; DE 19956690 A1 20010719; DE 50016090 D1 20110519; US 7123724 B1 20061017

DOCDB simple family (application)

EP 00124848 A 20001114; AT 00124848 T 20001114; DE 19956690 A 19991125; DE 50016090 T 20001114; US 72142800 A 20001122