

Title (en)
Loudspeaker

Title (de)
Lautsprecher

Title (fr)
Haut-parleur

Publication
EP 2023651 B1 20111109 (DE)

Application
EP 08012698 A 20080714

Priority

- DE 102007034552 A 20070721
- DE 102007036765 A 20070803
- DE 102008016570 A 20080401
- DE 102008021500 A 20080429

Abstract (en)
[origin: EP2023651A1] The method involves connecting a forward sound center (1) and a rearward sound center (2) at an exciting voltage by a phase shifter circuit (15). A rearward phase difference is shifted along a main beam direction of a loudspeaker by the circuit, where the rearward phase difference is associated with center (2). The phase difference of the center (2) and a forward phase difference in a bass are reduced, where the circuit strongly damps exciting voltage with high frequencies. A limiting frequency of the phase shifter circuit is selected, which is smaller than a larger value of specific quantity. An independent claim is also included for a loudspeaker comprising a forward sound center and a rearward sound center.

IPC 8 full level
H04R 1/22 (2006.01); **H04R 3/12** (2006.01)

CPC (source: EP)
H04R 1/227 (2013.01); **H04R 3/12** (2013.01); **H04R 2430/20** (2013.01)

Cited by
CN102714770A

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2023651 A1 20090211; EP 2023651 B1 20111109

DOCDB simple family (application)
EP 08012698 A 20080714