

Title (en)  
Loudspeaker box

Title (de)  
Lautsprecherbox

Title (fr)  
Enceinte pour haut parleur

Publication  
**EP 1077583 A3 20080227 (DE)**

Application  
**EP 00117565 A 20000816**

Priority  
DE 19938172 A 19990816

Abstract (en)  
[origin: EP1077583A2] The loudspeaker box has a housing (2) and at least one loudspeaker (4) with a chassis (6) enclosed by a housing wall (8) so that a rear and front sound in the low frequency range is superimposed with a sound increases in a predefined direction. The housing wall is mounted inside the housing to cause a sound increase at the front and a decrease at the rear. Independent claims are also included for a use of the loudspeaker box in a motor vehicle, esp. in a headrest and for a headrest with several integrated loudspeaker boxes.

IPC 8 full level  
**H04R 1/02** (2006.01); **H04R 1/28** (2006.01); **H04R 1/34** (2006.01)

CPC (source: EP US)  
**H04R 1/345** (2013.01 - EP US)

Citation (search report)

- [X] DE 19507296 A1 19950907 - SONY CORP [JP]
- [X] EP 0523410 A2 19930120 - NOKIA DEUTSCHLAND GMBH [DE]
- [X] EP 0481163 A2 19920422 - PIONEER ELECTRONIC CORP [JP]
- [A] EP 0319437 A1 19890607 - PICCALUGA PIERRE [FR], et al

Cited by  
CN105764000A; DE10255794B3; EP3429227A1; EP3866487A1; US9180822B2; US9517732B2; EP2599331A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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AL LT LV MK RO SI

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 00117565 A 20000816**; DE 19938172 A 19990816; JP 2000246078 A 20000814; US 63849800 A 20000815