

Title (en)  
Sound reproduction system

Title (de)  
Tonwiedergabeanordnung

Title (fr)  
Système de reproduction de son

Publication  
**EP 0896497 A3 20030326 (DE)**

Application  
**EP 98113748 A 19980723**

Priority  
DE 19734120 A 19970807

Abstract (en)  
[origin: EP0896497A2] The bass loudspeaker (10) has an oscillating membrane (15) and an associated drive (14) supported at a relative axial spacing via a fixing (13). A displacement volume (37) lies on each side of the membrane, with a closed damping volume (30) defined by the loudspeaker housing (12) and the membrane. The displacement volume on the side of the membrane opposite to the damping volume has an opening (35) of smaller cross-section than the membrane coupled to a sound propagation channel (34).

IPC 1-7  
**H04R 9/06**; **H04R 1/28**

IPC 8 full level  
**H04R 1/24** (2006.01); **H04R 9/06** (2006.01); **H04R 9/02** (2006.01)

CPC (source: EP US)  
**H04R 1/24** (2013.01 - EP US); **H04R 9/06** (2013.01 - EP US); **H04R 9/025** (2013.01 - EP US)

Citation (search report)

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- [A] US 5629502 A 19970513 - NAKANO YASUhide [JP]
- [A] EP 0451885 A1 19911016 - PHILIPS NV [NL]

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CN112425183A; US12010481B2

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

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**EP 0896497 A2 19990210**; **EP 0896497 A3 20030326**; **EP 0896497 B1 20091021**; DE 19734120 A1 19990218; DE 59814406 D1 20091203; US 6212284 B1 20010403

DOCDB simple family (application)  
**EP 98113748 A 19980723**; DE 19734120 A 19970807; DE 59814406 T 19980723; US 12865498 A 19980804