

Title (en)  
RESONANT PANEL LOUDSPEAKERS

Title (de)  
LAUTSPRECHER MIT RESONANTER PLATTE

Title (fr)  
HAUT-PARLEURS

Publication  
**EP 1121833 A1 20010808 (EN)**

Application  
**EP 99949152 A 19991012**

Priority  
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Abstract (en)  
[origin: WO0022877A1] A mid/high frequency loudspeaker drive unit comprising a stiff lightweight resonant panel form member, a housing in which the panel form member is mounted, a resilient suspension connected between the edges of the panel form member and the housing, the arrangement being such that the housing and the panel form member together define a sealed enclosure, and an electrodynamic exciter for applying bending wave energy to the panel form member to cause it to resonate to produce an acoustic output, the exciter comprising a magnet assembly rigidly fixed to the housing and defining an annular gap and a voice coil disposed in the annular gap and rigidly fixed to the panel form member near to the geometric centre thereof, the location of the voice coil in the annular gap being provided by the said resilient suspension.

IPC 1-7  
**H04R 7/06**; **H04R 7/20**; **H04R 9/04**; **H04R 1/28**

IPC 8 full level  
**H04R 9/02** (2006.01); **H04R 1/02** (2006.01); **H04R 7/04** (2006.01); **H04R 7/20** (2006.01); **H04R 1/28** (2006.01); **H04R 9/04** (2006.01)

CPC (source: EP KR)  
**H04R 7/045** (2013.01 - EP); **H04R 7/20** (2013.01 - EP); **H04R 9/06** (2013.01 - KR); **H04R 9/04** (2013.01 - EP)

Citation (search report)  
See references of WO 0022877A1

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**WO 0022877 A1 20000420**; **WO 0022877 A8 20000525**; AU 6213999 A 20000501; BR 9914147 A 20010626; CA 2345749 A1 20000420; CN 1319320 A 20011024; EP 1121833 A1 20010808; GB 0105807 D0 20010425; GB 2357215 A 20010613; GB 9822246 D0 19981209; IL 141966 A0 20020310; JP 2002528019 A 20020827; KR 20010075442 A 20010809; TW 462206 B 20011101; ZA 200101978 B 20010911

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