

Title (en)  
SPEAKER DEVICE

Title (de)  
LAUTSPRECHEREINRICHTUNG

Title (fr)  
DISPOSITIF DE HAUT-PARLEUR

Publication  
**EP 2306753 A4 20121128 (EN)**

Application  
**EP 08791918 A 20080730**

Priority  
JP 2008063687 W 20080730

Abstract (en)  
[origin: EP2306753A1] The present invention may provide a small size high-quality sound speaker device having an elongated shaped diaphragm, magnetic circuit and voice coil with a simple configuration, a speaker device having a magnetic circuit forming a narrow-width magnetic gap, etc. The speaker device 1 according to the present invention includes the magnetic circuit 2 that has a yoke 21 having a lateral portion forming a magnetic gap only in the short-side direction, a magnet 22 and a plate 23, a diaphragm 33, a voice coil 31 having a linear portion 311 and a substantially semicircular-shaped curved portion 313, a frame 4 and a damper 35. The damper 35 has a frame joint 351, a voice coil joint 352 and a corrugation part 353 formed in a corrugated cross-sectional shape. The voice coil joint 352 has the groove 3521 in which the lower end of the curved portion of the voice 31 coil is joined, and the corrugated cross-sectional shape of the corrugation part 353 has the planar shape formed in a concentric arc shape.

IPC 8 full level  
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**H04R 7/16** (2013.01); **H04R 7/22** (2013.01); **H04R 9/06** (2013.01); **H04R 2209/022** (2013.01)

Citation (search report)

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- [Y] US 4118605 A 19781003 - KOBAYASHI FUMIO
- [A] WO 2008001995 A1 20080103 - LG ELECTRONICS INC [KR], et al
- [A] US 5729616 A 19980317 - GEISENBERGER STEFAN [DE]
- See references of WO 2010013328A1

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