

Title (en)  
Loudspeaker system with double chamber enclosure

Title (de)  
Lautsprechersystem mit Zwei-Kammer-Gehäuse

Title (fr)  
Système de haut-parleur avec enceinte à double chambre

Publication  
**EP 2077680 B1 20130911 (EN)**

Application  
**EP 07024287 A 20071214**

Priority  
EP 07024287 A 20071214

Abstract (en)  
[origin: EP2077680A1] A loudspeaker system is presented which comprises an enclosure (4,6) with two separate air volumes (3,5) which are acoustically linked by a port (7); the port enclosing a plug of air; and an electro-acoustical transducer (1) that converts electrical power into acoustical power and that comprises a diaphragm (2) having a front side and a rear side; the front side of the diaphragm radiates sound into a listening environment and the rear side is directly acoustically coupled to one (5) of the volumes of the enclosure (4,6). The air volume (5) which is directly coupled to the diaphragm (2) and the plug of air located in the port are tuned to form a resonant system driven by the transducer; and the volume (3) that is not directly coupled to the diaphragm (2), is coupled to the plug of air in the port (7).

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

CPC (source: EP)  
**H04R 1/2811** (2013.01); **H04R 2499/13** (2013.01)

Cited by  
EP2491726B1; US10631081B2; US10904656B2; US10531194B2; US10567867B2; WO2018069063A1; EP2491726A1; EP3282714B1

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