

Title (en)
LOUDSPEAKER SYSTEM

Publication
EP 0456416 A3 19921125 (EN)

Application
EP 91303981 A 19910502

Priority
JP 12162590 A 19900511

Abstract (en)
[origin: EP0456416A2] A dip-free plane flat pressure level-frequency characteristic is realized by a cascade bass-reflex loudspeaker system provided with a port-containing partition or partitions in a speaker cabinet to divide a space inside thereof into two internal acoustically connected spaces by establishing in either internal space a Helmholtz resonator possessing the same resonant frequency as a second antiresonant frequency to absorb a negative-phase sound radiated from the port to the outside of the cabinet, thereby eliminating a dip in the sound pressure-level frequency characteristic due to the second antiresonance unique to a cascade bass-reflex loudspeaker system. <IMAGE>

IPC 1-7
H04R 1/28

IPC 8 full level
H04R 1/28 (2006.01)

CPC (source: EP)
H04R 1/2819 (2013.01); **H04R 1/2826** (2013.01)

Citation (search report)
• [Y] US 2368639 A 19450206 - CARTER FRANK C
• [A] EP 0361445 A2 19900404 - YAMAHA CORP [JP]
• [YD] PATENT ABSTRACTS OF JAPAN vol. 14, no. 9 (E-870)10 January 1989 & JP-A-1 254 097 (YAMAHA) 11 October 1989

Cited by
US7614479B2; DE19859046A1; US5740259A; GB2295518A; GB2295518B; EP0612194A1; US5436977A; US8699738B2; DE102009011051A1; US6223853B1; WO2010137997A3; WO2014048207A1

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