

Title (en)
Loudspeaker system.

Title (de)
Lautsprechersystem.

Title (fr)
Système de haut-parleur.

Publication
EP 0456416 A2 19911113 (EN)

Application
EP 91303981 A 19910502

Priority
JP 12162590 A 19900511

Abstract (en)
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)

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

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0456416 A2 19911113; **EP 0456416 A3 19921125**; **EP 0456416 B1 19950802**; DE 69111683 D1 19950907; DE 69111683 T2 19960404; JP 2653219 B2 19970917; JP H0417497 A 19920122

DOCDB simple family (application)
EP 91303981 A 19910502; DE 69111683 T 19910502; JP 12162590 A 19900511