

Title (en)

Flat panel sound radiator with sound absorbing facing

Title (de)

Flacher Lautsprecher mit schallabsorbierender Deckschicht

Title (fr)

Haut parleur plat avec revêtement insonorisant

Publication

EP 1204295 A1 20020508 (EN)

Application

EP 01123980 A 20011008

Priority

US 70531300 A 20001103

Abstract (en)

An apparatus for mounting a flat panel radiator (200) into a ceiling grid to provide improved sound absorption. The ceiling grid system has openings defined by main beams (600) and cross beams (602). The main beams are secured through hanger wires (601) to a hard ceiling. The main beams and the crossbeams have flanges with the crossbeams resting on the flanges of the main beams. The mounting apparatus has a frame (210), cushioning elements (214) attached to the frame, and an acoustically resistant facing (236) or scrim attached to the bottom of the frame. A layer of air is trapped between the facing (236) and the flat panel radiator (200). This combination of the air layer and the acoustically optimized facing form a sound absorber that alters the acoustic characteristics of the flat panel radiator. <IMAGE>

IPC 1-7

H04R 9/06; **E04B 9/00**

IPC 8 full level

E04B 1/99 (2006.01); **E04B 1/82** (2006.01); **E04B 9/00** (2006.01); **E04B 9/04** (2006.01); **E04B 9/24** (2006.01); **G10K 11/16** (2006.01); **H04R 1/00** (2006.01); **H04R 1/02** (2006.01); **H04R 7/04** (2006.01)

CPC (source: EP KR)

E04B 9/001 (2013.01 - EP); **E04B 9/006** (2013.01 - EP); **E04B 9/04** (2013.01 - EP); **E04B 9/241** (2013.01 - EP); **E04B 9/244** (2013.01 - EP); **H04R 1/00** (2013.01 - KR); **H04R 1/02** (2013.01 - EP); **H04R 7/045** (2013.01 - EP); **E04B 2009/0492** (2013.01 - EP); **H04R 2201/021** (2013.01 - EP)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1204295 A1 20020508; AR 031285 A1 20030917; AU 8553701 A 20020509; BR 0104820 A 20020702; CA 2359167 A1 20020503; JP 2002194836 A 20020710; KR 20020034895 A 20020509; MX PA01010807 A 20020514; NZ 514651 A 20030530; TW 513501 B 20021211

DOCDB simple family (application)

EP 01123980 A 20011008; AR P010105081 A 20011031; AU 8553701 A 20011030; BR 0104820 A 20011025; CA 2359167 A 20011016; JP 2001338505 A 20011102; KR 20010066752 A 20011029; MX PA01010807 A 20011024; NZ 51465101 A 20011005; TW 90126805 A 20011029