

Title (en)

Air mixing device for air conditioning systems

Title (de)

Luftmischvorrichtung für climatechnische Anlagen

Title (fr)

Dispositif de mélange d'air pour systèmes de climatisation

Publication

EP 1408290 B1 20061108 (DE)

Application

EP 03020648 A 20030911

Priority

DE 20215393 U 20021007

Abstract (en)

[origin: EP1408290A1] Cold air (9) enters the chamber through a large diameter pipe (5) at the top, and is controlled by a butterfly valve (7). Hot air (10) enters the chamber through a small diameter pipe (6) at the bottom and is controlled by a butterfly valve (8). Air flows through an aperture (11) in the wall, and leaves via a wide exit aperture (13). The housing for the chamber (1) may be made of sound-absorbing material, e.g. mineral wool. The chamber has a transverse internal wall (2), made of mineral wool, to divide it into first (3) and second (4) halves. There is sufficient turbulence to mix the hot and cold streams of air.

IPC 8 full level

F24F 13/04 (2006.01)

CPC (source: EP)

F24F 13/04 (2013.01)

Cited by

EP2660512A3

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

DE 20215393 U1 20021219; DE 50305624 D1 20061221; EP 1408290 A1 20040414; EP 1408290 B1 20061108; EP 1408290 B9 20070307

DOCDB simple family (application)

DE 20215393 U 20021007; DE 50305624 T 20030911; EP 03020648 A 20030911