

Title (en)

AIR CONDITIONING AND VENTILATING DEVICE

Publication

EP 0257017 A3 19890531 (DE)

Application

EP 87890189 A 19870813

Priority

AT 219686 A 19860814

Abstract (en)

[origin: EP0257017A2] An air-conditioning device for installation in a wall, window or the like is provided with an air duct for the inside air, with internal inlet and outlet openings, as well as an air duct for the outside air, with external inlet and outlet openings. In each air duct there is a heat exchanger (16, 29) with blower (22, 31). The inlet opening for the inside air is provided with a constantly adjustable first flap (9) and, by means of a second constantly adjustable flap (10), outside air can be mixed in with the air to be ducted as inside air. By means of an adjustable third flap (36), inside air can be mixed in with the air to be ducted as outside air. The heat exchangers (16, 29) are connected via coolant lines, a restricting member (43) and a reversing valve (40) to a compressor (32) and can be operated optionally as an evaporator or a condenser for heating or cooling. An additional heating element (21) is provided in the air duct for the inside air. <IMAGE>

IPC 1-7

F24F 1/02

IPC 8 full level

F24F 1/02 (2011.01)

CPC (source: EP)

F24F 1/027 (2013.01)

Citation (search report)

- US 3182899 A 19650511 - HAMES JR WILLIAM A, et al
- AT 259186 B 19680110 - FORDSMAND MARC [DK]
- GB 2143942 A 19850220 - TOSHIBA KK
- US 3143864 A 19640811 - SCHORDINE FRED J

Cited by

EP1816408A1; EP0645587A1; US5564495A; US5749235A; US6079218A; EP0356716A1; US4991405A; WO03073012A1; WO9411678A1

Designated contracting state (EPC)

BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0257017 A2 19880224; EP 0257017 A3 19890531; EP 0257017 B1 19910925; AT 391933 B 19901227; AT A219686 A 19900615; DE 3773302 D1 19911031; ES 2027324 T3 19920601; GR 3002790 T3 19930125

DOCDB simple family (application)

EP 87890189 A 19870813; AT 219686 A 19860814; DE 3773302 T 19870813; ES 87890189 T 19870813; GR 910400700 T 19910926