

Title (en)
AIR CONDITIONING AND VENTILATING DEVICE

Publication
EP 0257017 B1 19910925 (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 (examination)
DE 3315444 A1 19841031 - PHILIPS PATENTVERWALTUNG [DE]

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

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