

Title (en)
Building construction and ventilation system

Title (de)
Gebäudebauelement und Belüftungssystem

Title (fr)
Bâtiment et système de ventilation

Publication
EP 2431673 A2 20120321 (EN)

Application
EP 11181977 A 20110920

Priority
NL 2005371 A 20100920

Abstract (en)
Ventilation system disposed in a building construction. The intention is, on the one hand, to provide a feed of fresh air originating from outside into a room while, on the other hand, recirculation of air originating from the room must be possible in that room. For this purpose, a ventilation system is present which extends through the wall of a building construction so that air can be drawn in through it from outside. Feed of this air is regulated by a valve disposed in the duct. Furthermore, a feed opening for air originating from that room is present in this duct which extends to a heat exchanger. This air feed can also be opened and closed with the aid of a gate valve. A common operation is present in such a way that, when the opening for outside air is closed, the opening for recirculation is opened to the maximum extent, and vice versa. A manifold is present on the end of the duct which can be connected to a heat exchanger, in particular the underside thereof.

IPC 8 full level
F24D 19/06 (2006.01); **F24F 1/0063** (2019.01); **F24F 7/013** (2006.01)

CPC (source: EP US)
F24D 19/0085 (2013.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24D 2220/2054** (2013.01 - EP); **F24F 2007/0025** (2021.01 - EP);
F24F 2221/18 (2013.01 - EP); **F24F 2221/20** (2013.01 - EP)

Cited by
EP2956723A4; EP3879188A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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