

Title (en)

METHODS AND MEANS FOR ENERGY-EFFICIENT VENTILATION SYSTEMS FOR BUILDINGS

Title (de)

VERFAHREN UND VORRICHTUNG FÜR ENERGIEEFFIZIENTE BELÜFTUNGSSYSTEME FÜR GEBÄUDE

Title (fr)

PROCÉDÉS ET MOYENS POUR SYSTÈMES DE VENTILATION À BON RENDEMENT ÉNERGÉTIQUE POUR BÂTIMENTS

Publication

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Application

**EP 17731660 A 20170609**

Priority

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- SE 2017050615 W 20170609

Abstract (en)

[origin: WO2017217915A1] A ventilation system for a building (1) comprising a stairwell (2); a fire cell (3) separated from said stairwell (2) by a wall (4). Said ventilation system comprises an fresh air intake (5); a stale air exhaust (6); a means for providing air flow (7) in the ventilation system; a heat exchanger (8) arranged to exchange thermal energy between fresh air coming in from the air intake and stale air going out to the exhaust; a ventilation duct (9) arranged for transferring stale air from the fire cell (3) to the stale air exhaust (6) via the heat exchanger (8); a ventilation duct (10) arranged for transferring fresh air from the fresh air intake (5) to the stairwell (2) via the heat exchanger (8); a fire proof air transfer unit (100) arranged as a conduit for transferring air between the stairwell (2) and the fire cell (3). Fire proof air transfer unit suitable for said ventilation system, and uses thereof.

IPC 8 full level

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CPC (source: EP)

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