

Title (en)
EQUIPMENT FOR RENEWING AIR IN A PLURALITY OF ROOMS BY MEANS OF A DUAL FLOW HEAT EXCHANGER PROVIDED IN EACH ROOM

Title (de)
EINRICHTUNG ZUM ERNEuern VON LUFT IN MEHREREN RÄUMEN MITTELS EINES IN JEDEM RAUM VORGESEHENEN DOPPELSTROMWÄRMETAUSCHERS

Title (fr)
INSTALLATION POUR RENOUVELER L'AIR D'UNE PLURALITE DE PIECES A PARTIR D'UN ECHANGEUR THERMIQUE DOUBLE FLUX DISPOSE A L'INTERIEUR DE CHAQUE PIECE

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Application
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Priority
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• FR 0858576 A 20081215

Abstract (en)
[origin: WO2010076472A1] The invention relates to equipment for renewing the air of a plurality of rooms (1), comprising: a common single-flow airflow generator (2) arranged inside the rooms for extracting air from the rooms; a dual flow heat exchanger (3) arranged inside each room (1), comprising: an inlet opening (4) for the airflow (10) entering the room; an outlet opening (5) for the airflow (10) entering the room; an inlet opening (6) for the airflow (11) exiting the room; an outlet opening (7) for the airflow (11) exiting the room; a flow inlet inner duct (8) connecting the inlet (4) and outlet (5) openings for the airflow entering the room; a flow outlet inner duct (9) connecting the inlet (6) and outlet (7) openings for the airflow exiting the room; an exchange wall (12) having a first surface (13) defining a portion of said flow inlet inner duct (8) and a second surface (14) opposite the first defining a portion of the flow outlet inner duct (9); a plurality of individual ducts (15) for extracting air from the rooms, an individual extraction duct for a room connecting the flow generator to the outlet (7) of the heat exchanger (3) of the room for the airflow (11) exiting the room via a common air extraction collecting duct (20); an air inlet duct (16) in each room, individually allocated to each room, in which flows only the airflow (10) entering said room, and connecting the inlet opening (4) of the dual flow heat exchanger (3) of each room, for the airflow (10) entering the room (1), to the external environment (17).

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