

Title (en)  
HYGIENIC VENTILATION SYSTEM AND METHOD FOR CONTROLLING SUCH A VENTILATION SYSTEM

Title (de)  
HYGIENISCHES BELÜFTUNGSSYSTEM UND VERFAHREN ZUR STEUERUNG SOLCH EINES BELÜFTUNGSSYSTEMS

Title (fr)  
SYSTÈME DE VENTILATION HYGIÉNIQUE ET PROCÉDÉ DE COMMANDE D'UN TEL SYSTÈME DE VENTILATION

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Application  
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Abstract (en)  
The current invention involves a method for ventilative cooling of a building. In particular, the invention provides for a method for controlling a hygienic ventilation system comprising an exhaust flow passage that extends between a main exhaust connection and at least one auxiliary exhaust connection and exhaust flow control units to ensure an air exhaust flow from the at least one auxiliary exhaust connection and exhaust flow control units to ensure an air exhaust flow from the main exhaust connection via the exhaust flow passage to the main exhaust connection. The method involves the steps of controlling the exhaust flow regulation elements based on one or more parameters related to the ventilation mode of the hygienic ventilation system so that when the hygienic ventilation system is in a hygienic ventilation mode, where exhaust air flows through each auxiliary exhaust connection with a zonal air exhaust flow rate of  $Q_{H\_ETA}$  that corresponds to a zonal hygienic air exhaust flow rate  $Q_{H\_HYG}$  related to the air quality in one or more rooms of the building associated with the respective auxiliary exhaust connection. Each zonal hygienic exhaust air flow lies in a respective pre-set hygienic ventilation range between a minimum set zonal ventilation flow rate and a maximum set zonal ventilation flow rate.

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Citation (applicant)

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- NL 2022733 B1 20200918 - VERO DUOC NV [BE]
- US 2012064818 A1 20120315 - KURELOWECH RICHARD S [US]
- EP 4036486 A1 20220803 - DAIKIN IND LTD [JP], et al

Citation (search report)

- [X] US 2012064818 A1 20120315 - KURELOWECH RICHARD S [US]
- [X] EP 4036486 A1 20220803 - DAIKIN IND LTD [JP], et al
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