

Title (en)
LAUNDRY DRYING APPLIANCE WITH AMBIENT AIR DEHUMIDIFICATION OPERATION MODE

Title (de)
WÄSCHETROCKNUNGSGERÄT MIT UMGEBUNGSLUFTENTFEUCHTUNGSBETRIEBSMODUS

Title (fr)
APPAREIL DE SÉCHAGE DU LINGE AVEC MODE DE FONCTIONNEMENT ASSURANT UNE DÉSHUMIDIFICATION DE L'AIR AMBIANT

Publication
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Application
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Abstract (en)
[origin: WO2022144070A1] The present invention relates to a laundry drying appliance (100) comprising: - a cabinet (105); - a laundry chamber (206) rotatably enclosed within the cabinet for containing laundry to be dried; - a drying air flow system (204) for passing said air through the laundry chamber, said drying air flow system comprising an air dehumidifying unit (220) configured to dehumidify said air; - a filter seat (111) arranged within the drying flow system for removably receiving an air filter (112); - said air filter being movable from a first position wherein it is inserted into said filter seat to filter drying air leaving the laundry chamber, to a second position wherein it is removed from said filter seat and detached from the appliance and viceversa; - said laundry drying appliance being configured to operate in a laundry dryer mode when the air filter is in the first position, and in an ambient air dehumidification mode to dehumidify air in the ambient outside the cabinet when the air filter is said second position. The laundry drying appliance according to the invention is characterised in that the laundry drying appliance further comprises a movable wall system (260) arranged within said filter seat (111) and operable, by moving said air filter (112) from one to the other of said first and second positions, to configure the drying air flow system (204) such that: - when the air filter (112) is said first position, the drying air flow system is configured to circulate drying air in a substantially closed air circuit, through the laundry chamber and the air filter, and - when the filter (112) is said second position, the laundry chamber is put in fluid communication with the ambient outside the cabinet by means of an air introduction opening (IN(260)) and an air exhausting opening (OUT(260)) provided by the movable wall system in the filter seat. A worktop (109) for a laundry drying appliance, and a method to operate a laundry drying appliance (100) are also claimed.

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