

Title (en)  
Filtration system for laundry dryer

Title (de)  
Filtersystem für Wäschetrockner

Title (fr)  
Système de filtration pour sèche-linge

Publication  
**EP 2511414 A1 20121017 (EN)**

Application  
**EP 11425106 A 20110415**

Priority  
EP 11425106 A 20110415

Abstract (en)  
A laundry dryer machine, wherein a flow of drying air is circulated through a path, which comprises a fan (9) for moving said flow, a motor (10) for driving said fan, at least one filter (11) for filtering the flow, a drum (7) for containing the laundry to be dried, a condenser (12) with a plurality of channels (13) for the flow of drying air, for removing the moisture absorbed by the flow through the laundry in the drum (7), a container (17) for collecting condensate, a box-like structure for containing the components of the machine, said structure having a base (1), a top surface (2), a front vertical wall (3), a back vertical wall (4) and corresponding lateral vertical walls (5, 6), an opening (8) formed in said front vertical wall (3) for loading the laundry to be dried, a door (8A) adapted to open and close said opening (8) for loading and removing laundry, a conduit (19) for conveying a flow of cooling air to the condenser (12). Said opening (8) for loading and removing laundry comprising a tubular recess (3A) of said front vertical wall (3). The filter (11) for filtering the flow of drying air is located in said tubular recess (3A) coaxial with the axis thereof, with at least one chamber (32) being formed between the wall (11A) made of filter material of the filter (11) and the inner wall of said tubular recess (3A), means (11B) being provided to isolate said chamber (32) from the cavity of the drum.

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**D06F 58/22** (2006.01); **D06F 58/24** (2006.01)

CPC (source: EP US)  
**D06F 58/22** (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US)

Citation (applicant)

- EP 1990464 A1 20081112 - CANDY SPA [IT]
- EP 1925713 A1 20080528 - CANDY SPA [IT]

Citation (search report)

- [X] EP 2107156 A1 20091007 - MIELE & CIE [DE]
- [X] EP 2273005 A2 20110112 - MIELE & CIE [DE]
- [X] DE 8437357 U1 19850321
- [AD] EP 1990464 A1 20081112 - CANDY SPA [IT]
- [AD] EP 1925713 A1 20080528 - CANDY SPA [IT]

Cited by  
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Designated extension state (EPC)  
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