

Title (en)  
FILTERING HOOD WITH FILTERS FACING THE IMPELLER

Title (de)  
FILTERHAUBE MIT DEM LÜFTER ZUGEWANDTEN FILTER

Title (fr)  
HOTTE FILTRANTE AVEC FILTRES ORIENTÉS VERS LE VENTILATEUR

Publication  
**EP 3163175 B1 20180829 (EN)**

Application  
**EP 16196357 A 20161028**

Priority  
IT UB20154759 A 20151102

Abstract (en)  
[origin: EP3163175A1] The present invention relates to a filtering hood (1) for kitchens and the like, comprising a box body (10) comprising a suction inlet (2), and a suction unit (20) for sucking a fluid from the suction inlet (2). The suction unit comprises a centrifugal fan adapted to suck the fluid from the suction inlet and to expel it through a lateral surface (220). The hood further comprises a filtering unit (30) for filtering the fluid expelled through the lateral surface (220) of the suction unit (20) and for retaining impurities of such expelled fluid. The filtering unit (30) is further arranged along a curved portion provided with concavity facing the lateral surface (220) of the suction unit (20). The curved portion comprises a duct (305) for conveying the fluid expelled through the lateral surface (220) of said suction unit (20) towards an outlet opening formed on the box body (10), wherein said duct comprises a first portion that comprises a side wall (301) and a second portion that comprises at least a perforated panel (31) to allow fluid to run through.

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Cited by  
CN108506983A; DE102019101589A1; DE102019101589B4; EP3401551A1; FR3066234A1; EP3686496A1

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