

Title (en)

Extraction device for kitchen ventilation systems

Title (de)

Absaugvorrichtung für Küchenbelüftungssysteme

Title (fr)

Dispositif d'extraction pour systèmes de ventilation de cuisine

Publication

**EP 2840322 A1 20150225 (EN)**

Application

**EP 13181355 A 20130822**

Priority

EP 13181355 A 20130822

Abstract (en)

An extraction device (210,410) for use in kitchen ventilation systems (200) is proposed. The extraction device (210,410) comprises a filter assembly (235 j ) for filtering cooking fumes (C F ) from a kitchen environment (K E2 ) , the filter assembly (235 j ) comprising filter units (235 1 ,235 2 ,235 3 ,235 4 ) each one having, at opposite faces thereof, an input section for receiving the cooking fumes (C F ) and an output section for providing discard air resulting from cooking fumes (C F ) filtering. The extraction device (210,410) further comprises a hollow case (225) for supporting the filter assembly (235 j ) , the case (225) having on its top (225 T ) an output opening (125 OUT ) for allowing exhaustion of the discard air. The case (225) has on its bottom (225 T ) an input opening (225 IN ) for the passage of the cooking fumes (C F ) from below the extraction device. The filter units (235 1 ,235 2 ,235 3 ,235 4 ) are arranged in succession inside the case (225) and along a longitudinal direction (Y) of the case (225), the input and output sections of each filter unit (235 1 ,235 2 ,235 3 ,235 4 ) facing said input (225 IN ) and output (125 OUT ) openings, respectively, thereby the cooking fumes (C F ) passing through said input opening (225 IN ) are intercepted and filtered by the filter units (235 1 ,235 2 ,235 3 ,235 4 ) and the corresponding discard air is exhausted through the output opening (125 OUT ) . d

IPC 8 full level

**F24C 15/20** (2006.01); **B01D 46/12** (2006.01)

CPC (source: EP)

**F24C 15/2035** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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