

Title (en)  
Smoke particle separator

Title (de)  
Rauchpartikelabscheider

Title (fr)  
Séparateur de particules de fumée

Publication  
**EP 2241807 A1 20101020 (DE)**

Application  
**EP 09005436 A 20090416**

Priority  
EP 09005436 A 20090416

Abstract (en)  
The separator (10) has a filter arranged in a housing (24), where the housing is attached to a frame (18) of cleaning doors of a chimney (12), and the filter is formed as a motor driven rotating filter grid. A disk (32) is inserted into the chimney for closing a chimney draught part (16) and deflecting exhaust gas into the housing. An energy storage (36) and an actuating device (34) are provided for pulling out the disk from the chimney draught part. An impeller (54) is attached to the filter grid, and a collecting container (56) for smoke particles is arranged under the filter grid. An independent claim is also included for a heating system comprising a smoke particle separator arranged in a fume outlet of a boiler.

Abstract (de)  
Ein Rauchpartikelabscheider (10) zum Herausfiltern von Rauchpartikeln aus einem durch einen Kaminzug (16) strömenden Rauchgas ist mit einem Filter versehen, der in einem Gehäuse (24) angeordnet ist. Erfindungsgemäß ist das Gehäuse dazu angepasst, an einem Rahmen (18) einer Kaminreinigungstüre eines zugehörigen Kamins (12) angebracht zu werden.

IPC 8 full level  
**F23J 15/02** (2006.01); **F23J 13/08** (2006.01)

CPC (source: EP)  
**F23J 13/08** (2013.01); **F23J 15/025** (2013.01); **F23J 2213/60** (2013.01); **F23J 2213/70** (2013.01); **F23J 2217/101** (2013.01); **F23J 2217/20** (2013.01)

Citation (search report)  
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• [XA] US 3608278 A 19710928 - GREENSPAN SAUL  
• [X] CH 580440 A5 19761015 - LUFTTECHNIK & METALLBAU AG  
• [X] WO 02068874 A1 20020906 - ARENA GIUSEPPE [IT]

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Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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