

Title (en)

Flue with heat exchanger for heating rooms

Title (de)

Kamin mit Wärmetauscher zur Raumbeheizung

Title (fr)

Cheminée avec échangeur de chaleur pour le chauffage de locaux

Publication

EP 1134532 A1 20010919 (EN)

Application

EP 01106011 A 20010309

Priority

IT PD20000065 A 20000316

Abstract (en)

Flue for stoves or similar equipment, comprising two concentric tubes (1,2), one of which (1) is internal and through, while the other (2) is closed at the ends and provided with two openings (2.1,2.2) on its lateral surface; a helical foil (3) is positioned between the two tubes (1,2), creating a spiral-shaped forced path to be followed by the air between the lower and the upper opening of the external tube (2). A fan or another forced ventilation means may be provided to draw the air and blow it in through the lower or upper opening (2.1,2.2). This makes it possible to recover part of the heat, which otherwise would be dispersed towards the outside, in order to heat the room in which the stove is positioned or even another room.

<IMAGE>

IPC 1-7

F28D 7/02; **F28D 7/10**

IPC 8 full level

F28D 7/02 (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)

F28D 7/026 (2013.01); **F28D 21/0008** (2013.01)

Citation (search report)

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- [X] US 2756032 A 19560724
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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1134532 A1 20010919; IT PD20000065 A1 20010916

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EP 01106011 A 20010309; IT PD20000065 A 20000316