

Title (en)  
Adjustable flue damper

Title (de)  
Einstellbare Rauchgasklappe

Title (fr)  
Volet de gaz de fumée réglable

Publication  
**EP 2604920 A2 20130619 (EN)**

Application  
**EP 12386016 A 20120601**

Priority  
GR 20110100335 A 20110606

Abstract (en)  
This invention is an adjustable fume damper. The mechanism of this invention is divided in two functions. The first one is the automatic opening and closing of the damper, which is adjusted to the opening and the closing of the fireplace door. The second one is the adjustment of the damper tendency during the burning if the fuel with the fireplace door closed. The damper tendency of this invention ranges in an operating range of 90 degrees and its positions are the open position, the closed position and the intermediate ones. The place of the damper of this invention can be seen from the indication on the upper part of the door canvas. The rotation of the screw of this invention leads to the linear vertical movement of the nut. As a result, the quadrature axis transmits motion through the cross-traffic link to the stopper link and thus through the rotating shaft to the dumper. This invention can be used to any kind of fireplaces.

IPC 8 full level  
**F23L 11/00** (2006.01); **F23M 11/02** (2006.01); **F24B 1/189** (2006.01)

CPC (source: EP GR)  
**C21D 1/76** (2013.01 - GR); **F23L 11/00** (2013.01 - EP); **F23L 13/02** (2013.01 - GR); **F23L 17/02** (2013.01 - GR); **F23M 11/02** (2013.01 - EP); **F24B 1/02** (2013.01 - GR); **F24B 1/185** (2013.01 - GR); **F24B 1/1895** (2013.01 - EP GR)

Cited by  
CN113932220A

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2604920 A2 20130619**; **EP 2604920 A3 20150408**; GR 1007728 B 20121019

DOCDB simple family (application)  
**EP 12386016 A 20120601**; GR 20110100335 A 20110606