

Title (en)
Fire damper

Title (de)
Brandschutzklappe

Title (fr)
Clapet coupe-feu

Publication
EP 3061503 B1 20181003 (EN)

Application
EP 15460006 A 20150227

Priority
EP 15460006 A 20150227

Abstract (en)
[origin: EP3061503A1] The fire damper comprising a body (1) constituted by a steel frame and lamellas (2) of a fire-resistant material, provided with gaskets, wherein the lamellas (2) have two operating surfaces (2a), two leading edges (2b) and two side edges (2c), and along the operating surfaces (2a) rotational axes of lamellas extend seated in lamellas by means of connectors (15) mounted with bolts, wherein the lamellas are connected to each other by means of a string, characterized in that reinforcing elements (12) are fixed on both operating surfaces (2a) of the lamellas (2), said reinforcing elements being made of a shaped section one arm of which is seated in a groove arranged in the operating surface (2a) of the lamellas (2) along its length and mounted to the lamella (2) where the reinforcing elements (12) and the connectors (14) are fixed to the lamellas (12) by means of adapter sleeves (11) seated therein and bolts (10) screwed into the adapter sleeves (11), arranged in a blind opening provided in the lamellas (2), and the lamellas are connected to each other on one side by means of two strings (8) coupled to each other at one side by means of rotational levers (9) which enables transmission of a driving force between the individual lamellas (2) from a driving mechanism (13) connected to one of the lamellas (2), wherein the driving mechanism (13) and the strings (8) are accommodated in a separate thermally insulated chamber (7) within the body of the fire damper.

IPC 8 full level
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CPC (source: EP)
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