

Title (en)
Protection against flashback

Title (de)
Rückbrennsicherung

Title (fr)
Protection contre le retour de flamme

Publication
EP 1156277 A3 20021106 (DE)

Application
EP 01107963 A 20010328

Priority
DE 10024511 A 20000518

Abstract (en)
[origin: EP1156277A2] The device has a flap (2), with a contour that corresponds to that of the air intake channel (1) and pivots on an axle (7) transverse to the air flow direction (5,6). A safety element (10) fixed at an outer wall (8) of the air intake channel that becomes flexible when heated. A holder connection is formed between the flap and the outer wall by the safety element, so that the flap is in an open position that does not hinder air flow. The rigidity decrease of the safety element is determined so that the holder connection is released when the surrounding temperature exceeds a given threshold. When the holder connection is released, the flap pivots to a closed position to prevent air flow.

IPC 1-7
F23L 13/02; F23D 14/82

IPC 8 full level
F23L 13/02 (2006.01)

CPC (source: EP)
F23L 13/02 (2013.01)

Citation (search report)

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- [XY] US 3172347 A 19650309 - JOHNSON EDWARD H
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- [A] US 5090445 A 19920225 - JACKSON BERT W [US]

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US11772452B2; USD905217S; USD907183S; USD944374S

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 1156277 A2 20011121; EP 1156277 A3 20021106; EP 1156277 B1 20060614; DE 10024511 C1 20020131

DOCDB simple family (application)
EP 01107963 A 20010328; DE 10024511 A 20000518