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(54) **Fire damper**

(57) A Fire damper composed of the body where division is self-aligning fixed against the axis division of the closing spring device (2) and releasing fuse link element (3) are placed inside the body (5) in the plane perpendicular to the axis (1) where the division is fixed on (6), and besides, there is a flexible sealing ring (11) fixed on the notch made in the circumference of the division (6) that works closely with thermal expanding gasket (12) located inside on the body wall (5) in lateral plane corre-

sponding to the position of the division (6) in the closed position. There can also be at least two rows of lengthwise holes (13) on the body wall (5) in lateral plane corresponding to the position of the division (6) in the closed position, protecting against heat conduction along the vent duct walls. Additional feature is the fact that there are limit switches (8) and (9) placed inside the body (5), monitoring division's position (6). The nipple or sleeve make allows for easier cut off flap valve mounting in the vent or air-conditioning installation.

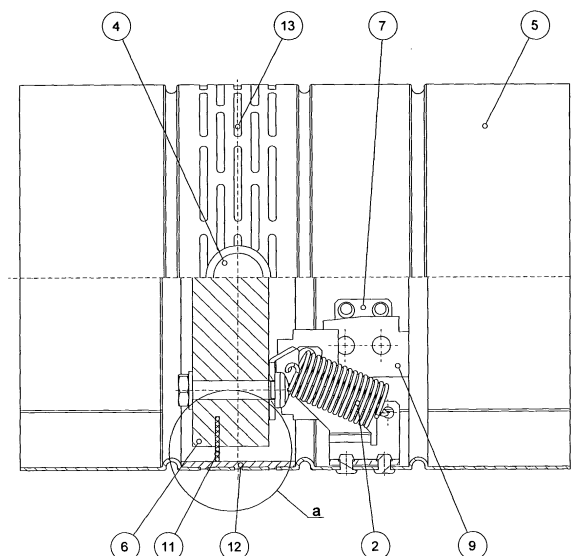


Fig. 1.



## EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                 |                                                     |                                         |
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| Place of search<br>The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                 | Date of completion of the search<br>29 January 2010 | Examiner<br>Vervenne, Koen              |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                 |                                                     |                                         |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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