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(54) **Device for the cut-off of combustion air in pellet stoves**

(57) Automatic device for the cut-off of combustion air in pellet stoves which can be inserted in the duct (5) for the supply of the combustion air, to prevent the back-flow of hazardous gases into the room. This device (D) is composed of a parallelepiped box-shaped body (10) whose main sides (11a-11b) are connected to suitable openings and respective sections (51-52) of the supply duct (5). A plate (13) which is connected to a relative electromagnet (15) slides through a slot (121) on a lateral side (12a) of the box-shaped body (10). When the electromagnet is not energized, it releases the plate so that a spring (16) pushes it into the body of the box-shaped body (10) until it impacts the opposing perimeter side (12b) where it will be positioned in a manner that prevents the passage of air or smoke. When instead the electromagnet (15) is energized, it extracts the plate (131) from the box-shaped body (10) so that inside it (10) there will be an opening that allows passage of combustion air.

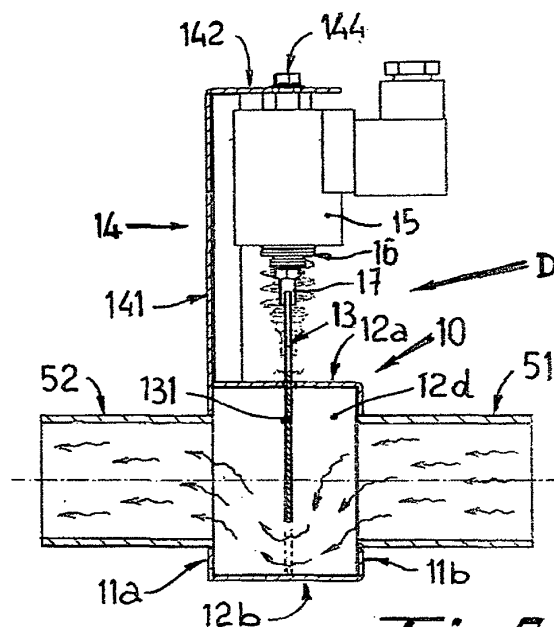


Fig. 5



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 07 5648

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 December 2006	Examiner Mougey, Maurice
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 05 07 5648

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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