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54 **Protective device for the glass pane of an open hearth fireplace.**

57 The invention relates to a device intended for protecting from the flame action a glass pane (2, 3) mounted on the hearth of a fireplace (1) for the purpose of restricting the flow of air being drawn from the surroundings through the flue under natural draft conditions. The technical problem to be solved is that of providing a simple and economically convenient device which can prevent the glass pane from overheating and blackening over its clear portion owing to the tarry residues of combustion. The solution to the problem is provided by a protective device, which comprises air conveying shaped interspaces (4) adapted to convey air parallel to and in close contact with the glass pane (2, 3) surface facing the fireplace (1) interior, and to create, by virtue of the draft action applied by the flue, laminar airflows which creep along the inner side of the glass pane (2, 3).

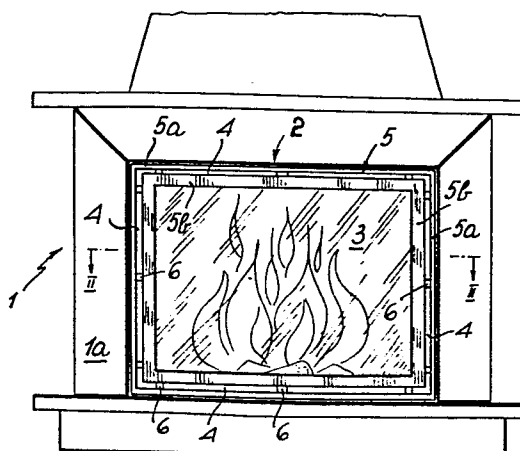


Fig. 1



European Patent
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EUROPEAN SEARCH REPORT

0047996

Application number

EP 81 10 7185.1

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US - A - 4 112 913 (SHIMEK et al.) * column 4, line 55 to column 5, line 18; fig. 1 to 3 *	1-4,10	F 24 B 1/18
A	US - A - 3 459 173 (LYDLE) * column 2, line 61 to column 3, line 33; fig. 3 *	1-3,6,10	
A	FR - A - 1 480 981 (COAL INDUSTRY LTD.) * page 2, paragraph 2 *	1	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A	GB - A - 805 904 (SMITH & WELLSTOOD LTD.) * page 1, lines 52 to 59 *	1	A 47 G '5/00 F 23 M 7/00 F 24 B 1/00 F 24 B 13/00 F 24 C 15/00
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family. corresponding document
<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">X</div> <p>The present search report has been drawn up for all claims</p> </div> <div> <p>Place of search</p> <p>Berlin</p> </div> <div> <p>Date of completion of the search</p> <p>29-01-1982</p> </div> <div> <p>Examiner</p> <p>PIEPER</p> </div> </div>			