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(54) **A fireproof door**

(57) The present invention relates to a fireproof door the purpose of which is to separate one room from the next one and to stand a particular minimal temperature for a certain period of time whereas the shape and measurements of the door remain unchanged.

The door of the present invention consists of a single metal sheet installed within the perimetric door frame. Additionally, the door is reinforced by a lattice construction consisting of plurality of rectangular tray-shaped profiles arranged horizontally and gradually over each other and fixed symmetrically to a metal sheet on both sides thereof, the profiles being linked up by several vertical metal ribbons which are connected to an upper and lower door frame rails and to each tray-shaped profile. The chambers formed on both sides of the sheet between the sheet, trays and ribbons are packed with thermo-insulation.

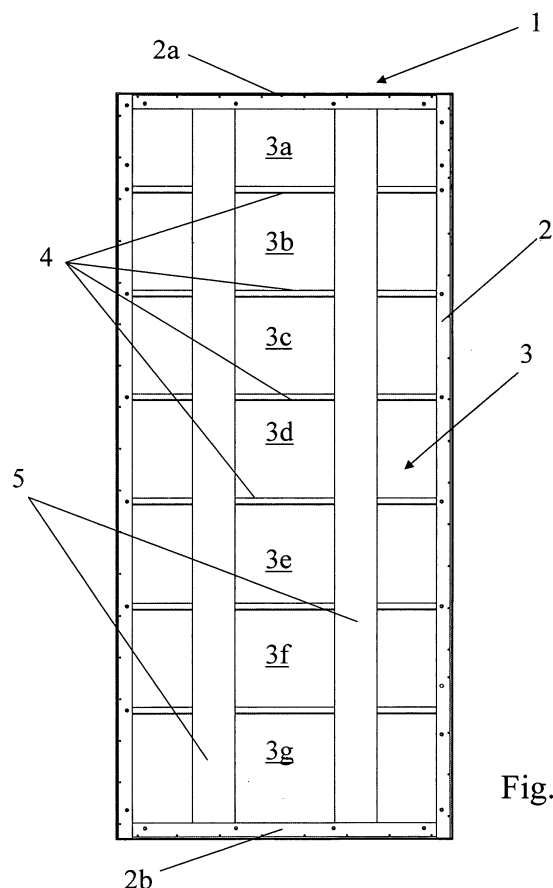


Fig.1



## EUROPEAN SEARCH REPORT

Application Number  
EP 09 47 8001

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2003/033786 A1 (YULKOWSKI LEON [US]) 20 February 2003 (2003-02-20) * abstract; figure 3 *	1-4	INV. E06B5/16 E06B3/70 E06B3/72
A	US 2 215 894 A (WATERMAN ARTHUR E) 24 September 1940 (1940-09-24) * page 1, column 1, line 42 - page 1, column 2, line 26; figures 1,2 *	1-4	
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A	GB 220 666 A (EDWIN WILLIAM BUCKLEY; ALFRED TAYLOR; MATHER & PLATT LTD) 21 August 1924 (1924-08-21) * page 2, column 1, lines 27-51; figure 3 *	1-4	
			TECHNICAL FIELDS SEARCHED (IPC)
			E06B E05B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 July 2011	Examiner Kofoed, Peter
<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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 47 8001

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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14-07-2011

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