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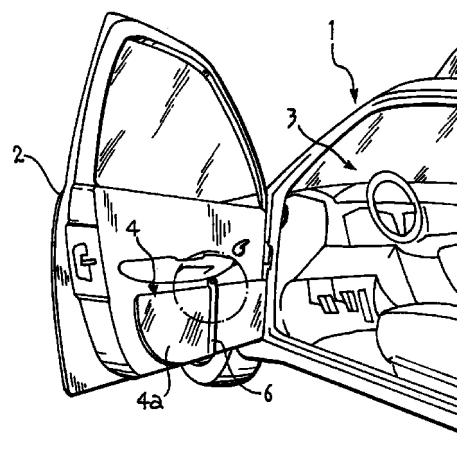
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(54) **A motor vehicle with doors provided with protection devices**

(57) To the lower part of the inner face of a side door (2) there is connected a bullet-proof apron (4) capable of assuming a folded rest configuration (Figure 1) in which it lies within the outline of the door (2) and an unfolded use configuration (Figure 3) in which it extends downwardly covering the space between the lower edge of the door (2) and the ground.

**FIG. 1**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 10 8882

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 5 340 189 A (GOODMAN R ANTHONY) 23 August 1994 * the whole document *	1-4	F41H7/04
X	US 5 271 311 A (MADDEN JR JAMES R) 21 December 1993 * column 9, line 4 - column 10, line 14; figures 12-15 *	1-3	
A	US 3 478 643 A (FORSYTH ROBERT W ET AL) 18 November 1969		
A	EP 0 489 287 A (KRAUSS MAFFEI AG) 10 June 1992		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F41H
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		7 April 1999	VAN DER PLAS J.
<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</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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

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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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07-04-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5340189 A	23-08-1994	NONE	
US 5271311 A	21-12-1993	CA 2111781 A,C	18-06-1995
		EP 0658738 A	21-06-1995
		US 5370035 A	06-12-1994
		US 5438908 A	08-08-1995
		US 5413026 A	09-05-1995
		US 5811719 A	22-09-1998
US 3478643 A	18-11-1969	NONE	
EP 0489287 A	10-06-1992	DE 4038751 A	11-06-1992