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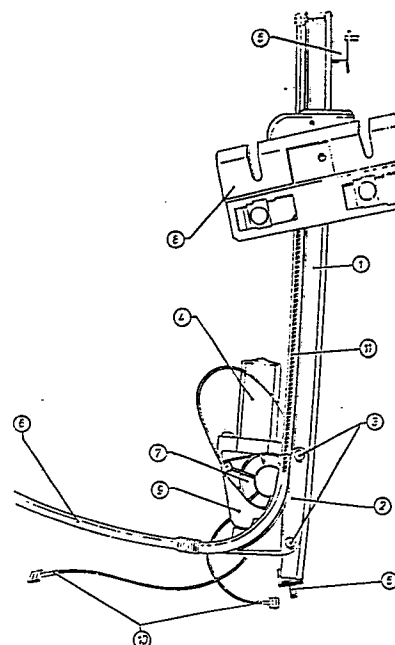
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54 **Compact electric door window regulator for motor vehicles.**

57 The device comprises a rigid tubular element, (1) in which a cable rack is sliding, on which the sliding glass is fixed through a bracket (8), and a reducer-motor unit (4, 9) directly engaged on the above said tubular element (1), arranged in the door panel, parallel to the lateral profiles for the sliding movement of the window glass. Said tubular element (1), when suitably shaped, may also be the guiding element for the sliding glass. The reducer-motor unit is applied on any point of the tubular element by a rigid connecting element (2). The unit acts directly on the cable rack (11) inside the rigid element, so as to avoid loss of load and to allow a drastic reduction of the length of the cable rack.





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EUROPEAN SEARCH REPORT

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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.4)
X	FR-A-1 377 188 (WILMOT BREEDEN LTD) * Figures 1-3; page 2, column 1, line 3 - column 2, line 19 *	1-3	E 05 F 15/16
X	DE-B-1 077 564 (HUPP CORP.) * Figures 1,2; column 3, lines 15-51 *	1,2	
X	US-A-4 420 906 (J. PICKLES) * Figure 1; column 1, lines 5-12,32-35 *	1	
Y		4	
Y	FR-A-2 310 461 (KEIPER K.G.) * Figure 1; page 5, lines 5-13 *	4	
A,P	GB-A-2 178 505 (KOITO SEISAKUSHO CO. LTD) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			E 05 F
Place of search		Date of completion of the search	Examiner
THE HAGUE		09-12-1987	SCHEIBLING C.D.A.
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