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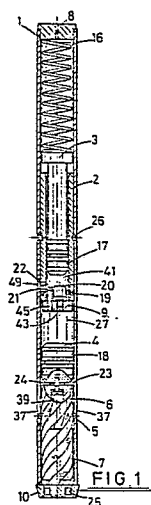
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⑤④ **Door operating mechanism.**

⑤⑦ The invention provides a door operating mechanism which can be mounted on the pivot axis of a door. The mechanism comprises a casing 1 in which is guided axially a piston 4, and actuating member 6 therefor. Coupled to the actuating member is a pivot member 7. A compact construction results where the actuating member (6) and pivot member (7) have complementary helical fingers (29; 33) whereby rotation of the pivot member (7) gives rise to axial movement of the actuating member (6) and piston (4). The axial movement in one direction causes hydraulic fluid acting on the piston (4) to be pressurised which provides a return force acting on the piston (4). This can be used to return a door to a starting position from which it has been displaced. By having fluid acting on the piston (4) instead of a spring, failure of the fluid system does not give rise to slamming of the door which is the case where the fluid merely serves as a damping medium for movement of the door. The construction renders its self-adaptable to automatic operation.





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EUROPEAN SEARCH REPORT

Application Number

EP 87 30 6766

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	DE-A-2 214 676 (F. SCHWARTE FITSCHENFABRIK DORNA BAUBESCHLAG GmbH) * Figure; page 7, line 6 - page 8, line 5 *	1,2,5,6	E 05 F 3/20 E 05 F 3/04
X	DE-A-2 447 012 (VERIN AG) * Figures 2-4; page 1, lines 6-12; page 13 *	1,2	
A		3	
A	EP-A-0 166 285 (DORNA BAUBESCHLAG GmbH) * Figure 7; page 11, lines 19-28; page 16, line 11 - page 19, line 27 *	5,6,9,10	
A	DE-A-2 645 853 (OKABE METAL INDUSTRIAL CO.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			E 05 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-03-1988	Examiner SCHEIBLING C.D.A.
CATEGORY OF CITED DOCUMENTS 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 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			