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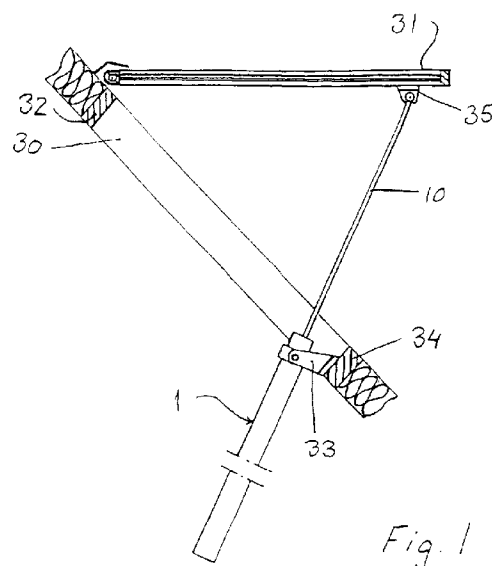
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(54) **A pressure medium controlled operator device for opening and closing a roof window or a hatch**

(57) The invention provides an operator device having a cylinder (1) and a piston which is axially displaceable therein and connected with a piston rod (10) for opening a roof window or a hatch. By pressure medium supply to the cylinder, the piston can be actuated for movement between a first end position, in which the window or the hatch is closed, and a second end position corresponding to an open position of the window or the hatch. In the cylinder, a spring-loaded locking mechanism is arranged which is actuated against the spring load by the movement of the piston in a direction towards the second end position, so as to block the piston in this position. A single locking mechanism is used, which is so designed that it can only be deactivated by pressure medium supply to the cylinder. The locking mechanism may be formed as a ball lock having a number of locking balls which are made to block the movement of the piston at movement of the piston. At the supply of pressure medium the balls are released so that the piston can be moved back to its starting position. The locking mechanism can be optionally placed as a bottom or top lock to enable its application for all types of windows or hatches.

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EUROPEAN SEARCH REPORT

Application Number
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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.6)
Y	DE 41 07 980 A (BOSCH) * column 1, line 34 - column 3, line 8; figures 1-3 *	1-3	F15B15/26
Y	DE 29 06 819 A (HACKENBRACHT) * page 5, paragraph 1 - page 6, paragraph 1 * * page 10, paragraph 3 - page 15, paragraph 2; figures 1-3 *	1-3	
Y	US 4 951 552 A (FOX) * column 3, line 5 - line 32; figures 1-3 *	1,2	
A	EP 0 027 211 A (KNORR-BREMSE) * abstract; figure 1 *	1-8	
A	EP 0 170 873 A (KNORR-BREMSE) * the whole document *	1-8	
A	US 5 097 748 A (KOCH ET AL.) * the whole document *	1-8	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
D,A	EP 0 363 575 A (GRASL) * the whole document *	1-8	F15B E05F
A	FR 2 104 744 A (OTTO ET AL) * the whole document *	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 May 1997	Examiner Christensen, C
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	

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