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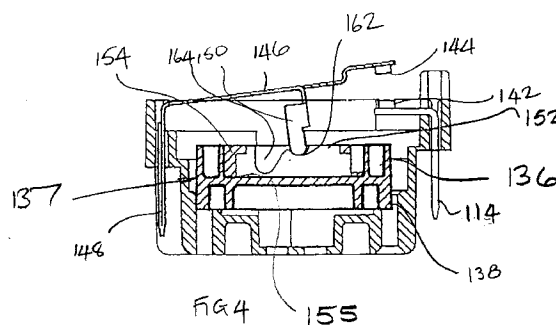
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(54) **Energy regulators.**

(57) A dual output energy regulator comprises a cam body 137 having a primary cam surface 136 for controlling the supply of energy to a load and a track 155 for receiving a collar 154 provided with an auxiliary cam surface 152 for controlling the opening of auxiliary contacts 142, 144. The collar 154 is rotatable relative to the body 137 and has detents 162, 164 for retaining an auxiliary cam follower 150 in one of the positions in which the contacts 142, 144 are either open or closed. A lost motion mechanism allows the cam member 137 to rotate by about 300° from its original position without turning the collar at which point, dog teeth 166, 168 on the collar 154, and cam member 137 engage to move the collar to its other position. Movement of the cam member 137 in the other direction does not result in movement of the collar until the dog teeth 166, 168 again engage and return the collar 154 to its original position.





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# EUROPEAN SEARCH REPORT

Application Number  
EP 94 30 3403

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.5)
X	CH-A-386 581 (BRAUN)	1	H01H19/60
A	* page 3, line 105 - page 4, line 3; figure 5 *	2	H01H19/63 H01H37/00
A	EP-A-0 027 976 (E.G.O. ELEKTRO-GERÄTE BLANC U. FISCHER) * page 14, last paragraph - page 16, paragraph 2; figures 11-14 *	1	
A	WO-A-90 00822 (ROBERTSHAW CONTROLS) * abstract; figures *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			H01H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 December 1994	Examiner Janssens De Vroom, P
<p><b>CATEGORY OF CITED DOCUMENTS</b></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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