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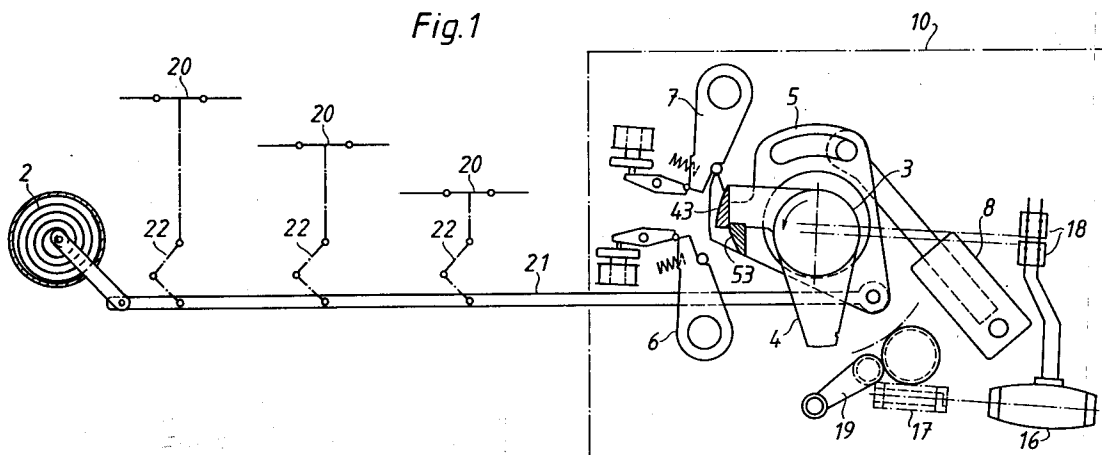
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(54) **Operating device for circuit breakers.**

(57) Operating device for circuit breakers comprising a closing spring and an opening spring (2). After each completed closing operation, a motor (16) tensions the closing spring again which, while closing the circuit breaker, tensions the opening spring. The closing spring is kept tensioned by a closing latch (6). The circuit breaker (20) is kept closed and the opening spring (2) is kept tensioned by a trip latch (7). The operating device is composed around only one shaft (3), which provides a simple design with

relatively few components. On the shaft (3) a driver lever (4) is fixed. Upon closing of the circuit breaker, the driver lever (4) is connected, by a latching engagement (43,53), to an operating lever (5), connected to the movable contact of the circuit breaker, and pulls said lever along. The operating lever (5) is eccentrically mounted in relation to the shaft (3) in such a way that the levers (4,5) after a certain rotating movement, for example 90°, are disengaged from each other.

Fig.1**EP 0 449 148 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 10 4584

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	EP-A-0 320 614 (SPRECHER ENERGIE AG) * column 3, line 8 - column 4, line 58; figure * ---	1-9	H01H3/30
A	BE-A-415 906 (ATELIERS DE CONSTRUCTION ELECTRIQUES DE CHARLEROI) * figures * ---	1-3	
A	EP-A-0 293 909 (MITSUBISHI DENKI K.K.) ---	6	
A	US-A-4 343 030 (MCCRAW-EDISON COMPANY) * column 6, line 51 - line 66; figures 1,3,4-6 * -----	7	
			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 18 JUNE 1992	Examiner THIBAUT E. E. G. 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			