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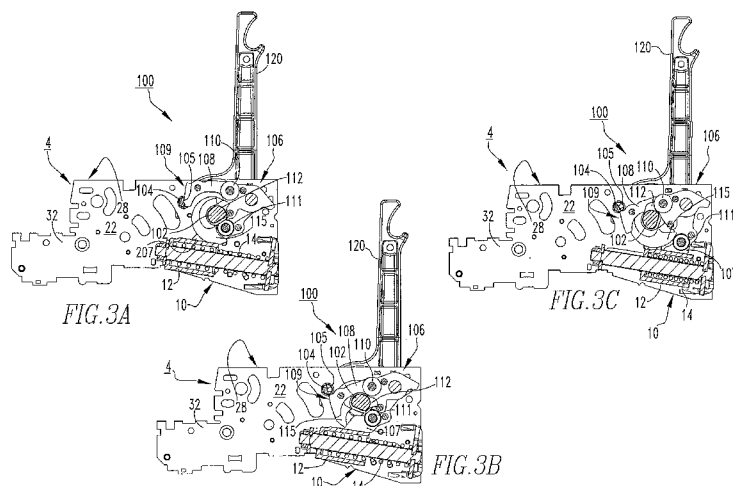
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(54) Title: ELECTRICAL SWITCHING APPARATUS, AND CHARGING ASSEMBLY AND INTERLOCK ASSEMBLY THEREFOR



(57) Abstract: An interlock assembly (200) is provided for a circuit breaker charging assembly (100). The charging assembly (100) includes a cam shaft (102), a latch mechanism, such as a D-shaft (104), a latch assembly (106), and a charging handle (120). The charging handle (120) pivots the cam shaft (102). The D-shaft (104) is pivotable between first and second positions corresponding to the D-shaft (104) latching and unlatching the latch assembly (106), respectively. The interlock assembly (200) includes a lever (202) coupled to and pivotable with the D-shaft (104), and a latch interlock (204) pivotably coupled to the circuit breaker housing (4). The latch interlock (204) moves between locked and unlocked positions corresponding respectively to the first end (206) of the latch interlock (204) moving the lever (202) to position the D-shaft (104) in the second position and the first position. Unless and until the stored energy mechanism (10) is substantially fully charged, the latch interlock (204) is disposed in the locked position and the latch assembly (106) is.. movable with respect to the D-shaft (104).

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. H01H9/20 H01H3/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7 294 804 B1 (GOTTSCHALK ANDREW L [US] ET AL) 13 November 2007 (2007-11-13) figures	1, 10, 14
A	US 6 064 021 A (WEHRLI HENRY ANTHONY [US] ET AL) 16 May 2000 (2000-05-16) abstract	
A	DE 28 41 821 A1 (FUJI ELECTRIC CO LTD) 5 April 1979 (1979-04-05)	

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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