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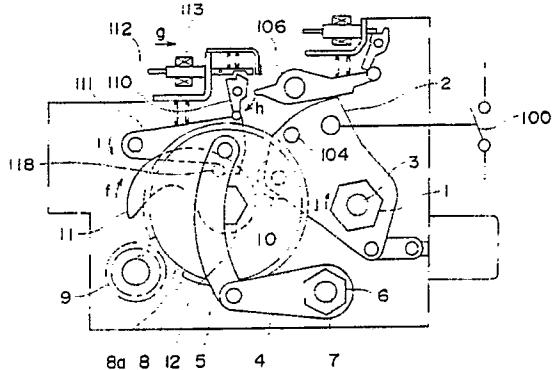
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(54) Operating mechanism for a circuit breaker.

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EP 0 294 561
EP The present invention relates to an operating mechanism for a circuit breaker; having an opening means (3) carrying out open-circuit operation by deenergization thereof and a closing means (7) carrying out closing-circuit operation by rotation of a cam (11) caused by deenergization of the closing means so that the opening means conserves energy by deenergization of the closing means and the closing means conserves energy by rotation of the cam; and the operating mechanism according to the present invention is provided with a large gear (8) fixed coaxially with the cam and lacking in teeth in part (8a) and a small gear (9) rotatably driven by a drive source in relation of engaging with the large gear, so that the non-tooth portion of the large gear is provided at the position thereof where the large gear disengages from the small gear just after the closing means completes its energy conservation, whereby the small gear, after completion of energy conservation of the closing means is completed, runs idle in the non-tooth portion and the drive source for the small gear is free from pulsation of a load and the drive source smoothly rotates, resulting in that a small drive source is enough for use and the large gear and small gear are not subjected to

an overload, thereby the present invention can provide an operating mechanism of a large current and a large capacity.

Fig. 5





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)
A	EP-A-0 216 949 (MITSUBISHI DENKI KABUSHIKI) * column 4, line 18 - column 6, line 11; figures 5-8 * ----	1	H 01 H 3/30
A	US-A-4 240 300 (K. TANAKA) * column 1, lines 5-52 * ----	1	
A	DE-B-2 323 070 (ALLMÄNNA SVENSKA ELEKTRISKA AB) * column 2, lines 33-49; column 3, line 14 - column 6, line 15; figure 5 * -----	1	
TECHNICAL FIELDS SEARCHED (Int. Cl.4)			
H 01 H 3/00 H 01 H 33/00			
The present search report has been drawn up for all claims			
Place of search BERLIN	Date of completion of the search 23-02-1990	Examiner RUPPERT W	
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	