

Title (en)

A force storage mechanism in an on-load tap changer.

Title (de)

Ein Kraftspeichermechanismus in einem Laststufenschalter.

Title (fr)

Un mécanisme à accumulation de force dans un changeur de prises en charge.

Publication

EP 0355814 A2 19900228 (EN)

Application

EP 89115577 A 19890823

Priority

JP 21177888 A 19880826

Abstract (en)

An operation frame (26) with two flanges (29, 30) and a drive frame (27) with a single flange (33) disposed between the two flanges (29, 30) are provided for forth and back movement, relative to a base frame (20), guided by a guide bar (24). Two coil spring elements (36, 37) are passed through by the guide bar (24) and are interposed between adjacent two of the flanges (29, 33; 30, 33). When the drive frame (27) is transferred to be deviated relative to the operation frame (26) held at a first operation point, one of the spring elements (36, 37) is compressed and the other (37, 36) tensioned. When the drive frame (27) is transferred to a prescribed position, the holding action on the operation frame (26) is released by a release piece (49) secured on the drive frame (27) and the operation frame (26) is swiftly transferred to a second position by the biasing forces stored in the spring elements (36, 37), operating a switch (5) in an on-load tap changer. If the drive frame (27) is actuated in the reverse direction on the next occasion, the operation frame (26) is transferred from the second to the first operation point similarly by the biasing forces stored in the spring elements (36, 37).

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H01H 3/30; **H01H 9/00**

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CPC (source: EP)

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