

Title (en)
STEP TRANSFORMER WITH A CENTRE TAP

Publication
EP 0213461 B1 19900516 (DE)

Application
EP 86111042 A 19860809

Priority
DE 3529886 A 19850821

Abstract (en)
[origin: EP0213461A1] 1. Tapped transformer, in which the winding of each phase is split in its centre and each winding part (W1, W2) is provided from this centre outwards with several taps (1 to 3, 4 to 6), which are switchable in and out in sequence by means of a selector switch, to the stationary tap contacts (K1 to K6) - arranged in a circle - of which the taps (1 to 6) are connected and the movable contacts (10) of which are pivotable from tap contact (K1 to K6) to tap contact (K1 to K6) about the center of the circle, characterised thereby, that the selector switch is a load diverter switch, which is operable under load and in which the taps (1, 2, 3 or 6, 5, 4) of both the winding parts (W1, W2) are connected in opposite sequence to the stationary contacts (K1, K2, K3 or K6, K5, K4) and in which the movable contacts (10) are constantly in engagement with an annular lead-out contact (14, 15), wherein the annular lead-out contact is subdivided into two parts (14, 15), the first part (14) of which is associated with the tap contacts (K1, K2, K3) of the first winding part (W1) and the second part (15) of which is associated with the tap contacts (K4, K5, K6) of the second winding part (W2), wherein the first part (14) of the lead-out contact is electrically connected with the last tap (4) - as seen from the centre (M) - of the second winding part (W2), while the second part (15) of the lead-out contact is connected with the first tap (3) - as seen from the centre - of the first winding part (W1), and wherein the movable contacts (10), simultaneously with their change from the tap contact (K3) of the first tap (3) of the first winding part (W1) to the tap contact (K4) of the last tap of the second winding part (W2), change without interruption from the first part (14) to the second part (15) of the lead-out contact.

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