

Title (en)  
LOAD SELECTOR FOR TAPPED TRANSFORMERS

Publication  
**EP 0132662 B1 19861022 (DE)**

Application  
**EP 84107912 A 19840706**

Priority  
DE 3326549 A 19830722

Abstract (en)  
[origin: EP0132662A1] 1. A load selector for tapped transformers for changing over from one tapping to the next one, comprising fixed step contacts (2, 3) which are arranged in a circle and connected to the tappings and switching contacts (5, 6, 7) from three current branches on a common contact carrier (4) which contacts can be simultaneously swivelled along the arc of a circle, - wherein all switching contacts (5, 6, 7) in each case carry the potential of the same step contact (2, 3) in their rest position, - wherein during swivelling of the contact carrier (4), the central switching contact (5) is substantially only moved in the radial direction in relation to the contact carrier (4), - wherein during swivelling of the contact carrier (4) the two outer switching contacts (6, 7) are swivelled in relation to the contact carrier (4) on levers (14, 12) which are positioned on the contact carrier (4), and - wherein the movements of the switching contacts (5, 6, 7) in relation to the contact carrier (4) are controlled by the step contacts (2, 3) which simultaneously constitute cams, characterised in - that each of the two outer switching contacts (6, 7) is supported by the free end of an arm of a two-armed lever (14, 12), - that the ends of the other arms of said two-armed levers (14, 12) are mechanically coupled to one another (16, 17) in such a manner, - that in the rest position of the contact carrier (4), the two outer switching contacts (6, 7) are swivelled to the flanks of the respectively selected fixed step contact (2, 3) by means of spring force (18), and - that when one of the two outer switching contacts (6, 7) runs up on to a fixed step contact (2, 3) the lever arms supporting the outer switching contacts (6, 7) are swivelled in opposite directions against the spring force (18) and the lever arms (14, 12) supporting the outer switching contacts (6, 7) are thereby spread out from the central switching contact (5).

IPC 1-7  
**H01F 29/04**; H01H 1/16; H01H 1/56; H01H 9/00

IPC 8 full level  
**H01F 29/04** (2006.01); **H01H 1/16** (2006.01); **H01H 1/56** (2006.01); **H01H 9/00** (2006.01)

CPC (source: EP)  
**H01H 9/0016** (2013.01)

Cited by  
CN102893359A; US8927885B2; WO2011128012A1; WO2012097958A1

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**EP 0132662 A1 19850213**; **EP 0132662 B1 19861022**; AT E23074 T1 19861115; DE 3326549 A1 19850207; DE 3461037 D1 19861127; JP S6039809 A 19850301

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