

Title (en)
CONTACT DEVICE FOR THE STEP SELECTORS OF STEP TRANSFORMERS

Publication
EP 0110269 B1 19860423 (DE)

Application
EP 83111579 A 19831119

Priority
DE 3243834 A 19821126

Abstract (en)
[origin: EP0110269A1] 1. Contact arrangement for tap selectors of tapped transformers for the selective bridging-over of an inner contact ring (1) with tap contacts (5) arranged on an outer circle, with the following features : - two contact bridges (2, 3), which lie opposite each other and are pressable against each other by springs (4) of flat material, each lie constantly by a respective end (21, 31) against the contact ring (1), - the contact bridges are pivotable laterally from tap contact (5) to tap contact, - the contact ring (1) is encompassed by the inwardly fromed ends (21, 31) of both the contact bridges in such a manner that two contact places (6 or 7), lying one behind the other in longitudinal direction of the contact bridges, are present each time at the contact ring (1), - the tap contacts (5) are constructed as contact rods (5) of substantially round cross-section and extending in longitudinal direction of the contact bridges, - the free ends (22, 32) of both the contact bridges (2, 3) between them in the switched state receive a tap contact (5) by means of V-shaped inward formations, in such a manner that two contact places (8 or 9), which are displaced through 90 degrees at the contact ring relative to the contact places (6 or 7), respectively are likewise present, - the free ends of the contact bridges (2, 3) are provided with run-up surfaces (10 or 11) bent away outwardly for the better running-up onto the contact rod (5), - all contact places (6, 7, 8, 9) to be formed by the contact bridges (2, 3) are formed as raised stamped portions, characterised thereby, that the middle part of each contact bridge (2, 3) does not participate in the contact making and displays a cross-section which is bowed towards the other contact bridge, wherein both the bowed surfaces of both the contact bridges lie one against the other in the un-switched state and are rollable one on the other during the running-up onto the contact rod (5).

IPC 1-7
H01H 1/36

IPC 8 full level
H01F 29/02 (2006.01); **H01F 27/29** (2006.01); **H01H 1/36** (2006.01); **H01H 9/00** (2006.01)

CPC (source: EP KR)
H01F 27/29 (2013.01 - KR); **H01H 9/0016** (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH FR GB LI SE

DOCDB simple family (publication)
EP 0110269 A1 19840613; **EP 0110269 B1 19860423**; AT E19444 T1 19860515; DE 3243834 C1 19840329; ES 527540 A0 19840816; ES 8407239 A1 19840816; IN 160532 B 19870718; JP S59105307 A 19840618; KR 840006723 A 19841201; KR 900000431 B1 19900130

DOCDB simple family (application)
EP 83111579 A 19831119; AT 83111579 T 19831119; DE 3243834 A 19821126; ES 527540 A 19831125; IN 702DE1983 A 19831013; JP 22083183 A 19831125; KR 830005512 A 19831121