

Title (en)

TAP OR COLLECTOR BRUSH FOR POTENTIOMETERS, PATH-LENGTH METERS AND SIMILAR DEVICES

Publication

EP 0159372 B1 19880720 (DE)

Application

EP 84104530 A 19840421

Priority

EP 84104530 A 19840421

Abstract (en)

[origin: US4748434A] Tap or current collector for rotary or linear potentiometers, displacement pick-ups, variable resistances, brushes/collector junctions of electric motors, etc., wherein the tapping part on which the slider elements as such are mounted and which performs a relative movement with respect to the tapped path or collector carries the slider elements having individual resilient and freely movable slider fingers, at least in the contact area proper, and which are mounted on a mounting block in such a manner, relative to the sense of displacement, that irrespective of the sense in which the tap moves at any time, one of the slider elements is always pushed, and the other one is always pulled so that even the influences on the tapped or transmitted electric signal of dynamical effects developed by high accelerations are compensated. Further, the individual slider elements are pre-bent along their longitudinal extension so that they follow a pre-determined curve in the inoperative condition and assume a substantially straight shape when applied under resilient pressure to the path to be scanned, whereby the distance between the tap and the path can be minimized.

IPC 1-7

H01C 10/30; **H01C 1/12**

IPC 8 full level

H01C 1/12 (2006.01); **H01C 10/30** (2006.01); **H01R 39/24** (2006.01); **H02K 13/00** (2006.01)

CPC (source: EP US)

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