Title (en)

HIGH-VOLTAGE POWER SWITCH WITH AN AXIALLY DISPLACEABLE FIELD ELECTRODE

Title (de)

HOCHSPANNUNGS-LEISTUNGSSCHALTER MIT EINER AXIAL VERSCHIEBBAREN FELDELEKTRODE

Title (fr)

DISJONCTEUR HAUTE TENSION A ELECTRODE DE CHAMP MOBILE AXIALEMENT

Publication

EP 0953199 A1 19991103 (DE)

Application

EP 98907851 A 19980119

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- DE 19741660 A 19970916

Abstract (en)

[origin: WO9832142A1] The invention relates to a high-voltage power switch with arcing contact pieces (1, 3) which can be moved in relation to each other, and an axially moveable insulating nozzle (5). An axially displaceable field electrode (15) is provided on the opposite side to the driving gear. Said rod is coupled to the axially moveable insulating nozzle (5), and acts upon a gearing which consists of a pivotable lever (20) with control pins (21), of a gate guide (23) and a second connector rod (21) coupled to the control pin (21) and to the field electrode (15). For supplementary drive of the second arcing contact piece (25), which is surrounded by the field electrode (15), the first connecting rod (18) also acts, by means of a pin (35), upon corner gears which consist of a double armed lever (40) configured at one end like a fork (46, 47), facing towards the gate-like guide of the pin, and a pendulum element (41, 42) at the other end of the lever, connected to the second arcing contact piece (25).

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IPC 8 full level

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