

Title (en)  
DRIVE FOR THE GENERATION OF A LINEAR MOVEMENT OF A CONSUMER

Publication  
**EP 0240884 A3 19880107 (DE)**

Application  
**EP 87104645 A 19870328**

Priority  
DE 3611501 A 19860405

Abstract (en)  
[origin: EP0240884A2] A drive for the generation of a linear movement for a high-voltage, SF6 gas-insulated circuit breaker has a drive piston-cylinder arrangement (12) with a cylinder body (13) in whose hole (14) a drive piston (15) having a drive piston rod (16) can be moved to and fro by means of high-pressure fluid. The circuit breaker is connected to the end of the drive piston rod projecting from the cylinder body. The storage space for the drive is formed by the cylinder space of a piston-cylinder arrangement (27, 36) which can be compressed by a storage spring (42), a reservoir space (47) at low pressure additionally being provided for the high-pressure fluid. To simplify the design and to improve assembly, and especially to reduce the installed size, the reservoir space (47) is connected to the end of the cylinder body (13) on the drive piston rod side, and thus forms a unit, the drive piston rod reaching through the reservoir space (47). Furthermore, connected to the cylinder hole there is a cylindrical brake body (27) projecting into the reservoir space, which body is surrounded by a cup-shaped cylinder (36), the cylinder (86) and the brake body forming the storage space (61) for the high-pressure fluid. The storage spring which presses the cylinder over the brake body is provided outside the cylinder, in the reservoir space. <IMAGE>

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Citation (search report)  
• [AD] EP 0158054 A1 19851016 - BBC BROWN BOVERI & CIE [CH]  
• [A] DE 2629829 A1 19780105 - SIEMENS AG  
• [A] DE 3328564 A1 19850307 - MBS MECHANISCHE BEARBEITUNGSST [DE]  
• [A] DE 2431758 A1 19750123 - HITACHI LTD

Cited by  
EP0451724A3; EP0827168A1; EP0829892A1; EP1895556A1; EP1406278A3; CH707909A1; EP0829893A1; DE19637051A1; US9791044B2

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