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

Publication
EP 0240884 B1 19910529 (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>

IPC 1-7
F15B 11/18; F15B 15/20; H01H 33/34

IPC 8 full level
F15B 15/08 (2006.01); F15B 11/18 (2006.01); F15B 15/18 (2006.01); F15B 15/20 (2006.01); H01H 33/34 (2006.01)

CPC (source: EP)
H01H 33/34 (2013.01)

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

Designated contracting state (EPC)
CH DE FR LI SE

DOCDB simple family (publication)
EP 0240884 A2 19871014; EP 0240884 A3 19880107; EP 0240884 B1 19910529; CN 1008651 B 19900704; CN 87102578 A 19871111; DE 3611501 A1 19871008; DE 3611501 C2 19920507; DE 3770313 D1 19910704; HU 195685 B 19880628; HU T44319 A 19880229; JP H0737801 B2 19950426; JP S62237102 A 19871017; PL 156735 B1 19920430; PL 264985 A1 19880331

DOCDB simple family (application)
EP 87104645 A 19870328; CN 87102578 A 19870404; DE 3611501 A 19860405; DE 3770313 T 19870328; HU 144687 A 19870403; JP 8215887 A 19870402; PL 26498587 A 19870403