

Title (en)
HYDRAULIC OPERATING MECHANISM FOR A CIRCUIT-BREAKER

Publication
EP 0230852 B1 19891102 (DE)

Application
EP 86730206 A 19861205

Priority
DE 3545782 A 19851220

Abstract (en)
[origin: US4730092A] In a hydraulic driving device for an electric pressurized-gas switch, the piston-cylinder systems are responsive to pressure from a hydropneumatic pressure accumulator. The driving device is equipped with a hydraulic pump which feeds several pressure accumulators and is controlled by pressure monitors, and with a gas monitoring device for the pressure monitors. For solving the problem of carrying out indirect gas monitoring while feeding several pressure accumulators by one hydraulic pump instead of direct gas monitoring, there is provided at least one threshold switch for measuring the feed pressure of the hydraulic pump as part of the gas monitoring device. By feeding the pressure accumulators which takes place sequentially in time and is controlled on the one hand by the gas monitoring device and by the pressure monitors on the other hand, it is possible to establish a correlation specific as to the pressure accumulator of the gas loss signal delivered by the threshold switch.

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F15B 1/02; **H01H 33/34**

IPC 8 full level
H01H 3/24 (2006.01); **F15B 1/02** (2006.01); **F15B 1/033** (2006.01); **H01H 33/34** (2006.01); **H01H 33/02** (2006.01)

CPC (source: EP US)
F15B 1/033 (2013.01 - EP US); **H01H 33/34** (2013.01 - EP US); **H01H 33/022** (2013.01 - EP US); **H01H 2033/306** (2013.01 - EP US)

Cited by
DE102010052481A1; WO9201303A1

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

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US 4730092 A 19880308; AT E47770 T1 19891115; DE 3545782 A1 19870625; DE 3666747 D1 19891207; EP 0230852 A1 19870805; EP 0230852 B1 19891102; IN 165463 B 19891028; JP S62157626 A 19870713

DOCDB simple family (application)
US 94084586 A 19861212; AT 86730206 T 19861205; DE 3545782 A 19851220; DE 3666747 T 19861205; EP 86730206 A 19861205; IN 915CA1986 A 19861216; JP 30272686 A 19861218