

Title (en)

INTEGRATED POWER AND CONTROL SYSTEM

Title (de)

INTEGRIERTES KRAFT-UND STEUERUNGSSYSTEM

Title (fr)

SYSTEME INTEGRE DE PUISSANCE ET DE COMMANDE

Publication

EP 0923690 B1 20051026 (EN)

Application

EP 98908773 A 19980223

Priority

- US 9803903 W 19980223
- US 80503897 A 19970221

Abstract (en)

[origin: WO9839547A2] An integrated power and control system for engagement with a single pressurized hydraulic control line. Hydraulic fluid pressure is provided to a hydraulic diverter or switch which selectively distributes hydraulic pressure to a moveable actuator. In a first position of the hydraulic switch, fluid pressure is provided against a first surface of the actuator. When the hydraulic switch is moved to a second position, fluid pressure is provided against a second surface of the actuator. The hydraulic switch can be moved between the first and second positions by controlling the differential hydraulic fluid pressure between the control line and the well or by controlling fluctuations in the hydraulic fluid pressure. The hydraulic switch can divert hydraulic fluid pressure to multiple tools and to additional hydraulic switches within the well.

IPC 1-7

F16K 31/124; **E21B 7/12**; **E21B 34/10**

IPC 8 full level

E21B 34/06 (2006.01); **E21B 34/10** (2006.01)

CPC (source: EP)

E21B 34/06 (2013.01); **E21B 34/10** (2013.01)

Cited by

US10677017B2; WO2015085148A1

Designated contracting state (EPC)

DE DK FR GB IT NL

DOCDB simple family (publication)

WO 9839547 A2 19980911; **WO 9839547 A3 19981217**; AU 6672198 A 19980922; DE 69832027 D1 20051201; EP 0923690 A2 19990623; EP 0923690 A4 20020116; EP 0923690 B1 20051026

DOCDB simple family (application)

US 9803903 W 19980223; AU 6672198 A 19980223; DE 69832027 T 19980223; EP 98908773 A 19980223