

Title (en)

Process and device for hydraulically and selectively controlling at least two tools or instruments of a device, valve for carrying out this method or for using this device

Title (de)

Verfahren und Vorrichtung zum hydraulischen und wahlweisen steuern von mindestens zwei Werkzeugen oder Instrumenten eines Gerätes, Ventil zur Durchführung dieses Verfahrens oder Benutzung dieses Geräts

Title (fr)

Procédé et dispositif pour commander hydrauliquement et sélectivement, au moins deux outils ou instruments d'un dispositif, vanne permettant la mise en oeuvre de la méthode ou utilisant ledit dispositif

Publication

**EP 0327432 B1 19970924 (FR)**

Application

**EP 89400228 A 19890127**

Priority

- FR 8801087 A 19880129
- FR 8801088 A 19880129

Abstract (en)

[origin: EP0327432A2] - The invention relates to a process and a device for hydraulically and selectively controlling in two directions of circulation at least two tools or instruments (81,82,83) of the device connected to a casing (90) placed inside a well (1), the device comprising, furthermore, a first hydraulic line (91) having branches (93) with a first and a second of the two tools or instruments, distribution means (51) designed to modify the circulation of fluid in each of the branches (93) and controlled independently of one another, and a hydraulic-energy generator connected to said first hydraulic line. This process is characterised particularly in that, in order selectively to activate the first tool or instrument (81,82,83): - the distribution means (51) of the second tool or instrument are closed so as to reduce the circulation of fluid in the branch of the second tool or instrument, - the distribution means (51) of the first tool or instrument are opened so as to increase the circulation of fluid in the branch of the first tool or instrument, and - pressure is generated in the first hydraulic line (91) so as to produce, in the branch (93) of the first tool or instrument, a fluid flow travelling in a first direction. <??>The invention also relates to a valve making it possible to carry out the method or using said device. <??>- The invention is used particularly for the hydraulic supply of tools or instruments employed during the working of geological formation fluids, such as oil or gas formations. <IMAGE>

IPC 1-7

**E21B 34/10**; **E21B 43/14**

IPC 8 full level

**E21B 34/10** (2006.01); **E21B 43/14** (2006.01)

CPC (source: EP US)

**E21B 34/102** (2013.01 - EP US); **E21B 43/12** (2013.01 - EP US); **E21B 43/14** (2013.01 - EP US)

Cited by

US8590630B2; FR2745847A1; NO337784B1; WO9208875A3

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

**EP 0327432 A2 19890809**; **EP 0327432 A3 19921202**; **EP 0327432 B1 19970924**; DE 68928332 D1 19971030; DE 68928332 T2 19980129; DK 38489 A 19890730; DK 38489 D0 19890127; NO 180463 B 19970113; NO 180463 C 19970423; NO 890354 D0 19890127; NO 890354 L 19890731; US 4945995 A 19900807

DOCDB simple family (application)

**EP 89400228 A 19890127**; DE 68928332 T 19890127; DK 38489 A 19890127; NO 890354 A 19890127; US 30266689 A 19890127