

Title (en)

Apparatus actuated by the hydrostatic pressure of a drilling fluid

Title (de)

Vom hydrostatischen Druck einer Bohrflüssigkeit betätigte Vorrichtung

Title (fr)

Dispositif actionné par pression hydrostatique de fluide de forage

Publication

EP 0524042 B1 19960911 (FR)

Application

EP 92401786 A 19920624

Priority

- FR 9109066 A 19910716
- US 91455092 A 19920716

Abstract (en)

[origin: EP0524042A1] The present invention relates to a device for remote actuation of equipment (3) associated with drilling packing (1) by hydraulic displacement means (10; 53, 58) interacting with distribution means (7; 25, 26, 27; 47) associated with the drilling fluid. The displacement means of this device transform the hydraulic energy of the drilling fluid directly into mechanical actuation energy without the interaction of any fluid other than the drilling fluid. The invention also relates to a method of actuation utilising the device. <IMAGE>

IPC 1-7

E21B 23/04; **E21B 7/06**

IPC 8 full level

E21B 7/06 (2006.01); **E21B 23/04** (2006.01)

CPC (source: EP US)

E21B 7/06 (2013.01 - EP US); **E21B 23/042** (2020.05 - EP US)

Citation (examination)

- EP 0459008 A2 19911204 - EASTMAN CHRISTENSEN CO [US]
- US 4375239 A 19830301 - BARRINGTON BURCHUS Q, et al

Designated contracting state (EPC)

GB IT NL

DOCDB simple family (publication)

EP 0524042 A1 19930120; **EP 0524042 B1 19960911**; CA 2074036 A1 19930117; FR 2679293 A1 19930122; FR 2679293 B1 19990122; US 5310012 A 19940510

DOCDB simple family (application)

EP 92401786 A 19920624; CA 2074036 A 19920716; FR 9109066 A 19910716; US 91455092 A 19920716