

Title (en)

FLOW DIVERTER

Publication

**EP 0128206 B1 19900214 (EN)**

Application

**EP 84900253 A 19831212**

Priority

- US 44937582 A 19821213
- US 44937682 A 19821213
- US 44946782 A 19821213
- US 44953182 A 19821213

Abstract (en)

[origin: WO8402374A1] Flow diverter apparatus having a housing (102) and a piston (106) and annular packer (104) disposed therein. The diverter has passages in the piston (118) and housing (120) walls providing fluid communication between the borehole and a vent line (11). A valve in the vent line is opened before the packer of the apparatus is closed about a tubular member in the bore of the apparatus or completely closes the vertical flow path of the bore of the apparatus when no object is therein, thereby diverting pressurized borehole fluid away from the rig equipment and personnel.

IPC 1-7

**E21B 21/08**; **E21B 21/10**; **E21B 33/064**

IPC 8 full level

**E21B 21/00** (2006.01); **E21B 21/08** (2006.01); **E21B 21/10** (2006.01); **E21B 33/064** (2006.01)

CPC (source: EP US)

**E21B 21/001** (2013.01 - EP US); **E21B 21/08** (2013.01 - EP US); **E21B 21/106** (2013.01 - EP); **E21B 33/064** (2013.01 - EP)

Citation (examination)

G. Soulie "Têtes de puits sous-marines", Ed. Technip, '78, Paris

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

**WO 8402374 A1 19840621**; DE 3381219 D1 19900322; EP 0128206 A1 19841219; EP 0128206 B1 19900214; GB 2141766 A 19850103; GB 2141766 B 19860305; GB 8419061 D0 19840830

DOCDB simple family (application)

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