

Title (en)

Capillary hanger arrangement for deploying control line in existing wellhead

Title (de)

Kapillare Hängeanordnung zur Anwendung der Steuerleitung in einem bestehenden Bohrloch

Title (fr)

Agencement de suspension capillaire pour le déploiement de la ligne de contrôle dans une tête de puits existante

Publication

**EP 2236741 A3 20170628 (EN)**

Application

**EP 10156787 A 20100317**

Priority

US 40852709 A 20090320

Abstract (en)

[origin: EP2236741A2] To deploy a capillary string through a wellhead to a downhole safety valve, a control port and a retention port are drilled in an adapter between a casing hanger and a gate valve or elsewhere. The capillary string is connected to a first port of a capillary hanger and installed through the wellhead. The capillary hanger is landed on a tubing hanger, and a side port on the capillary hanger communicates with the control port. Because the side port's location may not align with the control port, operators may need to measure how long the capillary hanger should be. A control line connects to the control port in the wellhead's side to communicate with the capillary line, and a retention rod inserts in the retention port to support the capillary hanger.

IPC 8 full level

**E21B 33/047** (2006.01); **E21B 34/10** (2006.01)

CPC (source: EP)

**E21B 33/047** (2013.01); **E21B 34/10** (2013.01)

Citation (search report)

- [X] US 2009000781 A1 20090101 - BOLDING JEFFREY L [US]
- [X] US 2008029271 A1 20080207 - BOLDING JEFF [US], et al

Cited by

GB2542946A; GB2542946B; GB2494529A; GB2494529B; US10697264B2; US10392907B2; US9175540B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2236741 A2 20101006**; **EP 2236741 A3 20170628**; **EP 2236741 B1 20190102**; CA 2696583 A1 20100920; CA 2696583 C 20130226

DOCDB simple family (application)

**EP 10156787 A 20100317**; CA 2696583 A 20100311