

Title (en)
SAFETY VALVE FOR OIL WELLS

Title (de)
SICHERHEITSVENTIL FÜR ÖLBOHRLÖCHER

Title (fr)
VANNE DE SECURITE POUR PUIT PETROLIER

Publication
EP 1360392 B1 20070801 (FR)

Application
EP 02711970 A 20020116

Priority
• FR 0200155 W 20020116
• FR 0101390 A 20010202

Abstract (en)
[origin: US2004045722A1] The present invention relates to a well safety valve set in a production tubing, comprising a body (17) including shutoff means (18) for shutting off a passage inside the body, anchor means (19) for anchoring the body in the tubing, sealing means (20) between the body and the wall of the tubing, the valve comprising communication means (14) for a hydraulic pressure between the valve and the surface of the well. According to the invention, the shutoff, anchor and sealing means include hydraulic activation means such that the hydraulic pressure transmitted from the surface activates the means so as to open the passage, anchor the valve in the tubing and activate the sealing means on the wall of the tubing. The invention also relates to a method for setting the valve.

IPC 8 full level
E21B 34/10 (2006.01); **E21B 33/12** (2006.01); **E21B 33/129** (2006.01); **E21B 33/1295** (2006.01)

CPC (source: EP US)
E21B 33/1208 (2013.01 - EP US); **E21B 33/1294** (2013.01 - EP US); **E21B 33/1295** (2013.01 - EP US); **E21B 34/10** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2004045722 A1 20040311; US 7040409 B2 20060509; AT E368796 T1 20070815; DE 60221499 D1 20070913; EP 1360392 A1 20031112; EP 1360392 B1 20070801; FR 2820457 A1 20020809; FR 2820457 B1 20030801; WO 02063129 A1 20020815

DOCDB simple family (application)
US 46648403 A 20031015; AT 02711970 T 20020116; DE 60221499 T 20020116; EP 02711970 A 20020116; FR 0101390 A 20010202; FR 0200155 W 20020116