

Title (en)

UNDERBALANCED PERFORATION

Title (de)

PERFORATION VON BOHRLÖCHERN BEI UNTERDRUCK

Title (fr)

PERFORATION EN SOUS-PRESSION

Publication

**EP 1220972 B1 20031210 (EN)**

Application

**EP 00964443 A 20000929**

Priority

- GB 0003741 W 20000929
- GB 9923200 A 19991001

Abstract (en)

[origin: WO0125595A1] There is disclosed a method of initiating production of hydrocarbons from a well having a column of liquid to provide a hydrostatic head. The method comprises inserting a tubular member inside a casing to a required depth in the liquid to define a chamber, then sealing the chamber from the outside environment. A gaseous material is then supplied under pressure to the chamber to create a pressure differential between the chamber and the outside environment, and cause the liquid to be displaced and flow along a flow conduit. The displaced liquid is collected and the casing perforated to enable hydrocarbons to flow. An apparatus is provided and includes a tubular member for insertion into the well casing, means for sealing the chamber, gas supply means to supply gas under pressure to the chamber, fluid flow means to allow collection of displaced liquid, and means to perforate the casing.

IPC 1-7

**E21B 43/00**; **E21B 21/16**

IPC 8 full level

**E21B 21/16** (2006.01); **E21B 43/00** (2006.01)

CPC (source: EP)

**E21B 21/085** (2020.05); **E21B 21/16** (2013.01); **E21B 43/00** (2013.01)

Cited by

CN106930715A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0125595 A1 20010412**; AT E256247 T1 20031215; AU 7537900 A 20010510; DE 60007162 D1 20040122; DK 1220972 T3 20040413; EP 1220972 A1 20020710; EP 1220972 B1 20031210; GB 9923200 D0 19991201

DOCDB simple family (application)

**GB 0003741 W 20000929**; AT 00964443 T 20000929; AU 7537900 A 20000929; DE 60007162 T 20000929; DK 00964443 T 20000929; EP 00964443 A 20000929; GB 9923200 A 19991001