

Title (en)

Installation for oil well equipped with a downhole electrical pump

Title (de)

Einrichtung für mit einer Elektro-Bohrlochpumpe ausgerüsteten Erdölbohrung

Title (fr)

Installation pour puits pétrolier munie d'une électropompe en fond de puits

Publication

EP 0704599 B1 19980520 (FR)

Application

EP 95402176 A 19950928

Priority

FR 9411750 A 19940930

Abstract (en)

[origin: EP0704599A1] The installation, which extends from the surface (14) to a petroleum bearing layer (16) at the bottom of the well (10), comprises a tube (20) which forms a channel through which hydrocarbons can flow to the surface, with a seal (24) round the lower end of the tube which forms a chamber (26) isolated from the hydrocarbons. The installation includes a pump (30) and an electric motor (34) to actuate it, with the electric motor stator (40) and cable (38) situated in the chamber (26) surrounding the tube. The tube is made from a non-magnetic material, at least for the portion of its length containing the electric motor, which can be linear or rotary. In addition, the upper end of the motor has a coupling head (44) which allows its mobile section and the pump to be raised to the surface.

IPC 1-7

E21B 43/12; **F04B 47/06**

IPC 8 full level

E21B 43/12 (2006.01); **F04B 47/06** (2006.01)

CPC (source: EP US)

E21B 43/128 (2013.01 - EP US); **F04B 47/06** (2013.01 - EP US)

Citation (examination)

US 4562385 A 19851231 - RABSON THOMAS A [US]

Cited by

EP0854266A3; GB2325483A; GB2325483B; WO9822692A1; WO0102699A1; WO9636790A1

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