

Title (en)
PULLING TOOL FOR USE IN OIL AND GAS WELLS

Title (de)
ZUGWERKZEUG ZUR VERWENDUNG IN ÖL- UND GASBOHRLÖCHERN

Title (fr)
OUTIL DE TRACTION DESTINE A DES Puits DE PETROLE ET DE GAZ

Publication
EP 1880077 A4 20150401 (EN)

Application
EP 06733124 A 20060428

Priority

- NO 2006000159 W 20060428
- NO 20052085 A 20050428

Abstract (en)
[origin: WO2006115418A1] A pulling tool for use in oil and gas wells, especially suited for the inspection and maintenance of equipment deployed in horizontal wells. The pulling tool is assembled of modules (5) that are screwed together at threaded connections (8). Each module is provided with a driving wheel (4) connected to the arm (7) in such a manner that it may be pressed against the borehole wall by means of a rotating electric activator (13) and the gear connections (12), (11), and (20). The rotation of the driving wheels (4) is performed by an electromotor consisting of permanent magnets (17) and an electric coil (18). The velocity and power is determined by the frequency and voltage of the power input through the cable (2). The withdrawal of the pulling tool after the completion of a task is performed using the winch (1).

IPC 8 full level
E21B 23/00 (2006.01); **E21B 23/14** (2006.01)

IPC 8 main group level
E21B (2006.01)

CPC (source: EP)
E21B 23/001 (2020.05); **E21B 23/14** (2013.01)

Citation (search report)

- [ID] US 6273189 B1 20010814 - GISSLER ROBERT W [US], et al
- See references of WO 2006115418A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006115418 A1 20061102; EP 1880077 A1 20080123; EP 1880077 A4 20150401; NO 20052085 D0 20050428; NO 20052085 L 20061030; NO 324404 B1 20071008

DOCDB simple family (application)
NO 2006000159 W 20060428; EP 06733124 A 20060428; NO 20052085 A 20050428