

Title (en)

DRILLING ROD AND METHOD FOR RETROFITTING A KELLY BAR ASSEMBLY

Title (de)

BOHRSTANGE UND VERFAHREN ZUM NACHRÜSTEN EINER KELLYSTANGEN-ANORDNUNG

Title (fr)

TIGE DE FORAGE ET PROCÉDÉ POUR MISE À NIVEAU D'UN AGENCEMENT DE TIGE CARRÉE

Publication

**EP 3882398 B1 20230823 (DE)**

Application

**EP 20163709 A 20200317**

Priority

EP 20163709 A 20200317

Abstract (en)

[origin: WO2021185499A1] The invention relates to a drilling rod for transmitting a torque, having an elongate main rod body, along which at least one main line for a fluid and/or electric current and/or data extends, an upper suspension device for suspending the drilling rod on a support element, a rotary bearing, which is arranged between the suspension device and the main rod body, wherein the main rod body is mounted so as to be rotatable about a rod longitudinal axis relative to the suspension device, and a rotary feedthrough which forms a line connection between at least one feed line, fixed relative to the support element, and the at least one main line of the rotatably mounted main rod body. The invention is characterized in that the rotary bearing is arranged in a manner spaced apart axially from the rotary feedthrough, and in that the rotary bearing has an axial bearing which is arranged above or beneath the rotary feedthrough. The invention also relates to a drill having such a drilling rod and to a method for retrofitting an existing Kelly bar arrangement.

IPC 8 full level

**E02D 17/13** (2006.01); **E21B 17/00** (2006.01); **E21B 17/05** (2006.01); **E21B 17/07** (2006.01); **E21B 21/02** (2006.01)

CPC (source: EP US)

**E21B 17/00** (2013.01 - EP); **E21B 17/003** (2013.01 - EP); **E21B 17/05** (2013.01 - EP); **E21B 17/07** (2013.01 - EP); **E21B 17/073** (2013.01 - US); **E21B 21/02** (2013.01 - EP); **E02D 17/13** (2013.01 - EP)

Citation (examination)

EP 3779117 A1 20210217 - BAUER MASCHINEN GMBH [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3882398 A1 20210922**; **EP 3882398 B1 20230823**; **EP 3882398 C0 20230823**; CN 115210429 A 20221018; US 11927059 B2 20240312; US 2023123337 A1 20230420; WO 2021185499 A1 20210923

DOCDB simple family (application)

**EP 20163709 A 20200317**; CN 202180020723 A 20210126; EP 2021051698 W 20210126; US 202117905817 A 20210126