

Title (en)
ROTARY GUIDE DEVICE

Title (de)
DREHFÜHRUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE GUIDAGE ROTATIF

Publication
EP 3613940 A4 20200624 (EN)

Application
EP 18879923 A 20180302

Priority
• CN 201711119993 A 20171114
• CN 2018000086 W 20180302

Abstract (en)
[origin: EP3613940A1] A rotary guiding device comprises a rotating shaft, the rotating shaft is used to drive a tool head to rotate, and the rotating shaft includes at least one steerable portion; a first non-rotating body and a second non-rotating body, the first non-rotating body and the second non-rotating body are substantially in a non-rotating state in a circumferential direction thereof relative to the rotating shaft when the rotating shaft drives the tool head to rotate; a guide driving mechanism, the guide driving mechanism is configured to connect the first non-rotating body and the second non-rotating body, the guide driving mechanism is adapted to generate a substantially axial driving force to change the relative direction between the first non-rotating body and the second non-rotating body, thereby changing the orientation of the tool head.

IPC 8 full level
E21B 7/06 (2006.01); **E21B 17/10** (2006.01); **E21B 23/08** (2006.01)

CPC (source: CN EP US)
E21B 7/061 (2013.01 - CN US); **E21B 7/062** (2013.01 - EP); **E21B 7/067** (2013.01 - EP); **E21B 7/068** (2013.01 - EP US);
E21B 17/1014 (2013.01 - EP); **E21B 7/062** (2013.01 - US); **E21B 17/1014** (2013.01 - US); **E21B 44/00** (2013.01 - US);
E21B 47/024 (2013.01 - US)

Citation (search report)
• [XA] WO 2005028805 A1 20050331 - BAKER HUGHES INC [US]
• [A] WO 2017065723 A1 20170420 - HALLIBURTON ENERGY SERVICES INC [US]
• See references of WO 2019095527A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3613940 A1 20200226; **EP 3613940 A4 20200624**; **EP 3613940 B1 20210616**; CN 107939291 A 20180420; CN 107939291 B 20190709;
JP 2020526684 A 20200831; JP 6821802 B2 20210127; US 2020190909 A1 20200618; WO 2019095527 A1 20190523

DOCDB simple family (application)
EP 18879923 A 20180302; CN 201711119993 A 20171114; CN 2018000086 W 20180302; JP 2019523606 A 20180302;
US 201816466204 A 20180302