

Title (en)

CLAMPING DEVICE AND METHOD FOR FIXING A DRIVE SHAFT IN A STATIONARY MANNER

Title (de)

KLEMMVORRICHTUNG UND VERFAHREN ZUR ORTSFESTEN FIXIERUNG EINER ANTRIEBSWELLE

Title (fr)

DISPOSITIF DE SERRAGE ET PROCÉDÉ DE FIXATION À DEMEURE D'UN ARBRE D'ENTRAÎNEMENT

Publication

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Application

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Abstract (en)

[origin: WO2015018388A2] The invention relates to a clamping device for fixing a drive shaft of a delivery pump within a rising pipe of a borehole for the delivery of a delivered fluid. The clamping device comprises a housing having a first passage bore, through which the drive shaft of the delivery pump passes. The clamping device also comprises at least one second lateral passage bore, which hits the first passage bore orthogonally, wherein in the second passage bore a mechanically acting clamping means is accommodated and/or guided, by means of which the drive shaft of the delivery pump can be axially and/or radially fixed in the housing of the clamping device. The invention further relates to a method for spatially fixing a drive shaft of a delivery pump in a rising pipe associated with a borehole in a stationary manner. In said method, at least one clamping device is arranged between the borehole and a drive head associated with the drive shaft. In a first operating position of the clamping device, the delivered fluid is conducted through the clamping device. In a second operating position of the clamping device, a first compressive or clamping force is applied to the drive shaft by means of the clamping device, which first compressive or clamping force prevents the drive shaft from twisting radially. Alternatively or additionally, a second compressive or clamping force can be applied to the drive shaft by means of the clamping device, which second compressive or clamping force prevents the drive shaft from slipping axially.

IPC 8 full level

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Citation (search report)

See references of WO 2015018388A2

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