

Title (en)

DOWNHOLE FLUID MOTOR COMPOSITE TORQUE SHAFT.

Title (de)

DREHMOMENTWELLE AUS VERBUNDWERKSTOFF FÜR EINEN MIT FLÜSSIGKEITBETRIEBENEN BOHRLOCHMOTOR.

Title (fr)

ARBRE DE TORSION COMPOSITE POUR MOTEUR A FLUIDE DE FOND DE TROU.

Publication

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Application

EP 91911714 A 19910607

Priority

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- US 53489290 A 19900607

Abstract (en)

[origin: WO9119072A1] This invention relates to a composite torque shaft (41) for connecting a downhole fluid motor (20) to the drill bit (30) at the end of a drill string. The composite torque shaft comprises an elongate matrix body with oriented fibers fixed therein. The fibers are particularly oriented to provide the composite torque shaft (41) with significant torque strength and stiffness while allowing bending flexibility. Accordingly, the composite torque shaft converts the gyrating and rotating motion of the rotor in the fluid motor to the pure rotation of the drill bit.

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