

Title (en)

ROTOR OF DOWNHOLE SCREW MOTOR, METHOD AND DEVICE FOR MAKING THEREOF

Publication

**EP 0265521 B1 19920429 (DE)**

Application

**EP 86902578 A 19860131**

Priority

SU 8600008 W 19860131

Abstract (en)

[origin: WO8704753A1] Rotor (1) of a downhole screw motor shaped as a hollow multiple-thread screw with essentially constant wall thickness. The ratio between the length of the external contour of the cross-section of the rotor (1) and the length of the circumscribed circle of that contour is essentially equal to 0.9-1.05. The rotor (1) is made by inserting a forming element inside a tubular blank and applying, from outside, the pressure of a fluid medium. A device for making the rotor comprises a hollow casing with the forming element mounted inside it on centring bushings. The bushings are provided with supporting areas for push-fit mounting on them of the ends of the tubular blank.

IPC 1-7

**E21B 4/02**

IPC 8 full level

**E21B 4/02** (2006.01); **F01C 1/10** (2006.01)

CPC (source: EP US)

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Cited by

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**EP 0265521 A1 19880504; EP 0265521 A4 19890314; EP 0265521 B1 19920429**; AT E75521 T1 19920515; DE 3685113 D1 19920604; DK 476087 A 19870911; DK 476087 D0 19870911; JP H0633702 B2 19940502; JP S63502292 A 19880901; NO 172003 B 19930215; NO 172003 C 19930526; NO 873890 D0 19870916; NO 873890 L 19870916; PT 82181 A 19860916; PT 82181 B 19920529; US 4909337 A 19900320; WO 8704753 A1 19870813

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