

Title (en)
APPARATUS AND METHOD FOR ASSEMBLING AND MATCHING THE WORKING COMPONENTS OF A SECTIONAL SCREW DOWNHOLE MOTOR

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Application
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Priority
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Abstract (en)
[origin: WO8600954A1] A downhole motor contains a supporting unit (3) connected to an actuating section (1, 2) comprising consecutively arranged working organs: a stator (4, 5) and a rotor (6, 7) interacting along profiled surfaces (12, 13, 14, 15). The like pairs of the neighbouring working organs (4, 5, 6, 7) are rigidly fixed to each other by means of one-piece thread bushings (16, 19). A mounting device comprises mounting elements (22, 23) each of them consisting of a couple of bushings (25) of a profiled surface interconnected by means of a strainer (24) and arranged along the same longitudinal axis. One of the bushings (25) is fixed to the strainer (24) rigidly whereas the other one - with the possibility of its displacement along the said longitudinal axis. Assembling of the downhole motor is carried out with the use of the preliminarily adjusted mounting device and consists in interconnecting the like working organs (4, 5, 6, 7) by means of the thread bushings (16, 19) and thus ensuring orientation of the profiled surfaces (12, 13, 14, 15) of the working organs (4, 5, 6, 7) analogously to the profiled surface of the one-piece rotor and stator.

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