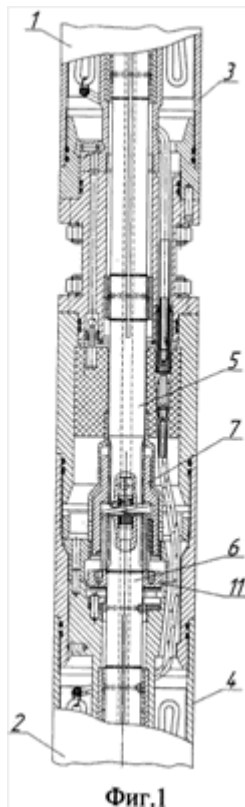


№2343619



Фиг. 1

FIELD: electricity.

SUBSTANCE: invention relates to the field of electric engineering specifically to designs of submersible oil-filled electric motors for actuating pump installations used for oil and other stratum fluids extraction. Electric motor comprises connected by flange upper 1 and lower 2 sections with shafts 5 and 6 coupled using spline coupling 7 consisting of casing 8 and cylinder-shaped holder 9. Upper portion of casing 8 engages with shaft 5 of upper section 1 and holder 9 is put on shaft 6 of lower section 2 and rests on axial bearing 11. Special guiding grooves are made on external surface of holder 9 and on inner surface of casing 8 lower portion. In these guiding grooves

rolling bodies 12, e.g. balls, are located. This provides free axial movement of holder 9 relative to casing 8. Spring member 13 is installed inside sleeve 7 on end surface of holder 9. This spring member is intended to return casing 8 in initial position when electric motor is turned off.

EFFECT: increase in electric motor durability by decreasing wear of lower section axial bearing.

12 cl, 2 dwg