

Abstract

The claimed invention relates to a submersible direct-current electric motor to be used, in particular, for driving a submersible pump in downhole oil production. The claimed motor includes a fixed armature winding; a housing which encloses the armature winding and rotates around it; magnetic field generation means which are fixed in the housing and interact with the armature winding to generate electromagnetic torque; a fixed collector which is electrically connected to the armature winding; brushes which rotate around the fixed collector and are connected to the external electric circuit. The fixed collector and the brushes rotating around it are enclosed in an insulating chamber. The technical result consists in the elimination of the risk of a short circuit between the brushes and the collector of the direct-current motor when it is used as a submersible motor.

Fig. 1