

ELECTRIC SUBMERSIBLE PUMPING SYSTEM WITH SUBMERSIBLE MOTOR HAVING SEALED STATOR

ABSTRACT

A technique facilitates pumping of various fluids such as well fluids. An electric submersible pumping system is constructed with an outer housing which contains an integrated pump and motor. The pump may comprise an impeller disposed within a stator of the motor. A tube is disposed along an interior of the stator, e.g. along the interior of stator laminations, to define a passage extending longitudinally through the stator. The tube may be sealed with respect to the stator to prevent contact between the stator and a fluid moving along the passage. The integration of the pump and the motor enables elimination of various components of traditional electric submersible pumping systems to thus provide a simpler and more compact system for pumping fluids.

Fig. 2