

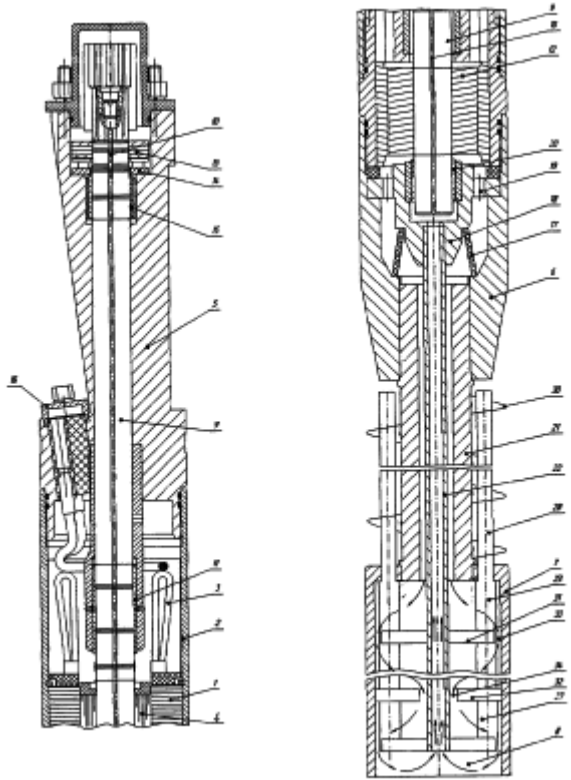
№2287887. Реферат

FIELD: electrical machines including submersible oil-filled motors designed to drive centrifugal oil-extraction pumps.

SUBSTANCE: proposed motor that has encased stator, hollow-shaft rotor, head, current lead assembly, base accommodating filter, oil-filled cavity, oil circulation parts, heat pipes whose evaporators are disposed in oil-filled cavity, and capacitors, beyond motor; oil-filled cavity is disposed in chamber mounted beyond rotor that communicates with motor base through hollow coupling member. Central tube mounted inside coupling member in annular space relation to its walls has its top end secured in motor base and bottom one, disposed in chamber; annular space between coupling member and central tube functions as delivery line to admit oil to top part of chamber and central-tube opening, as suction line for oil discharge from bottom part of chamber. Heat-pipe condensers are disposed above chamber around hollow coupling member and their evaporators, within chamber about central tube. In order to meet higher requirements to temperature conditions this motor can be equipped with more than one chamber with oil-filled cavity.

EFFECT: augmented cooling of submersible oil-filled motor.

9 cl, 2 dwg



Фиг. 1