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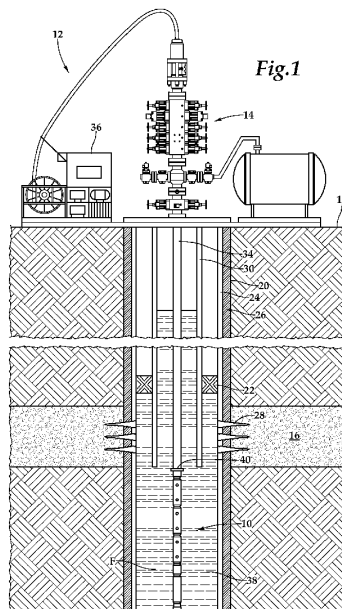
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(54) Title: SUBMERSIBLE PUMP ASSEMBLY AND METHOD FOR USE OF SAME



(57) Abstract: A submersible pump assembly (10) for transference of a fluid medium with low viscosity. The submersible pump assembly (10) may include a cylinder block (120) having cylinders (122, 124) and pistons (126, 128). A drive shaft (90) is rotatably supported in the cylinder block (120) and coupled to a drive unit (54). An inclined leading plate (130) is couple to the pistons (126, 128) and the drive shaft (90) such that the pistons (126, 128) may be axially driven in a reciprocating motion within the cylinders (122, 124) upon rotation of the inclined leading plat (130). A suction chamber (92) and a pressure chamber (94) are each located in fluid communication with the cylinders (122, 124). The fluid medium may be transferred from the suction chamber (92) to the pressure chamber (94) during the reciprocating motion of the pistons (126, 128), when the pistons (126, 128) are active, or the fluid medium may be circulated through the suction chamber (92).

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