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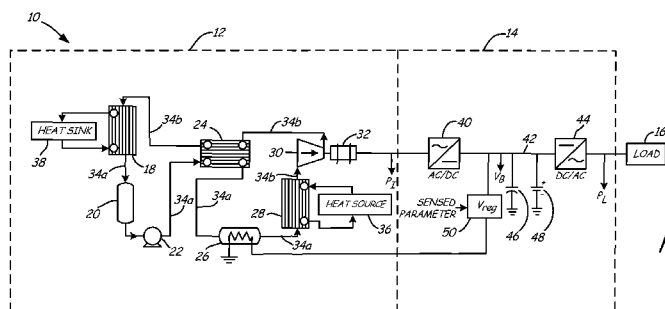


FIG. 1

(57) Abstract: A system for producing power using an organic Rankine cycle (ORC) includes a turbine, a generator, an evaporator, an electric heater, an inverter system and an organic Rankine cycle (ORC) voltage regulator. The turbine is coupled to the generator for producing electric power. The evaporator is upstream of the turbine and the electric heater is upstream of the evaporator. The evaporator provides a vaporized organic fluid to the turbine. The electric heater heats the organic fluid prior to the evaporator. The inverter system is coupled to the generator. The inverter system transfers electric power from the generator to a load. The ORC voltage regulator is coupled to the inverter system and to the electric heater and it diverts excess electrical power from the inverter system to the electric heater.