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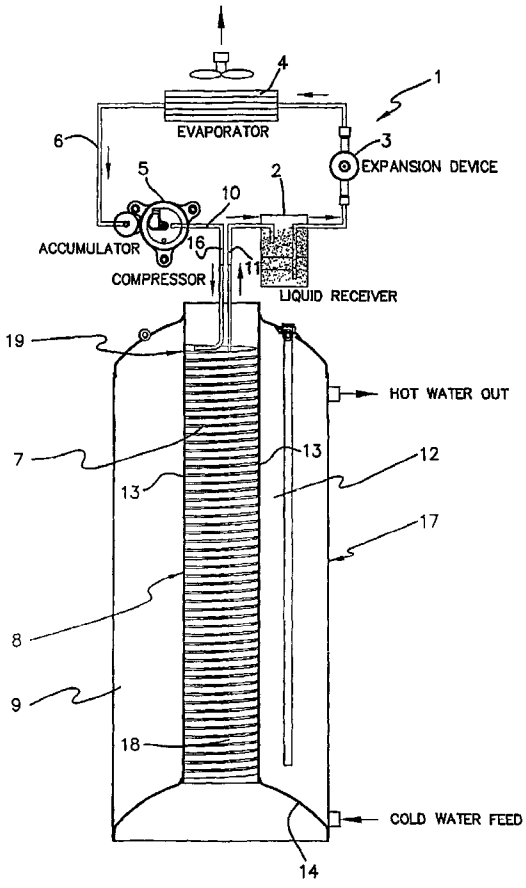
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(54) Title: IMPROVED HEAT PUMP WATER HEATER




(57) Abstract: A heat exchanger for a water heater of the type including a water tank having an inlet for water to be heated and an outlet for discharging heated water. The heat exchanger comprises a housing which receives and retains therein a coil in fluid communication with a heat pump circuit which circulates a heat exchange fluid provided form the heat pump circuit. The heat exchanger is disposed inside the tank such that water to be heated is disposed around the housing. Heat generated in the housing is imparted to the water via a wall of the housing, through thermal contact between the coil and the housing.

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