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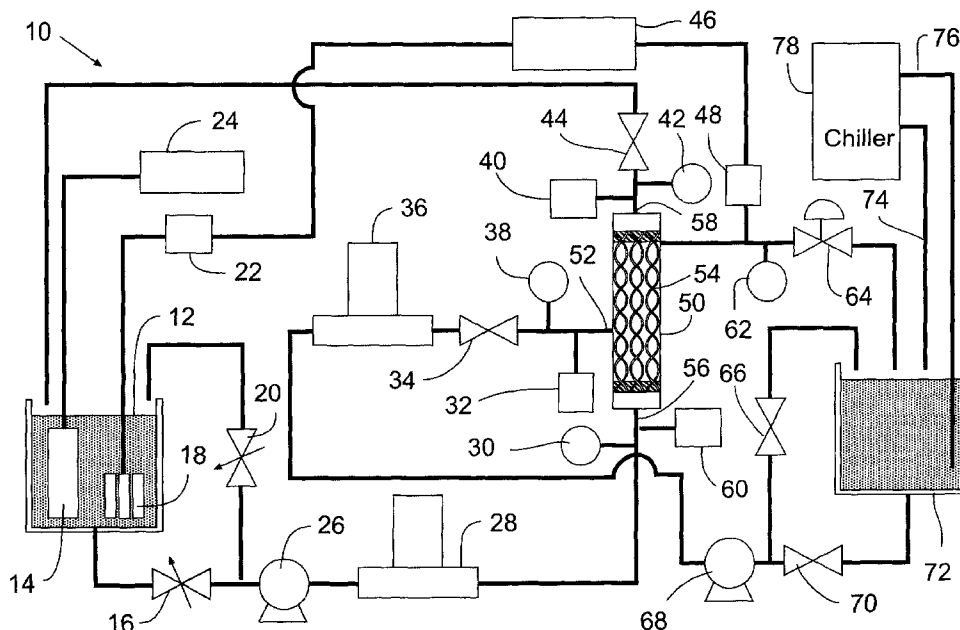
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(54) Title: THERMOPLASTIC APPARATUS FOR CONDITIONING THE TEMPERATURE OF A FLUID



(57) Abstract: This invention relates to an apparatus for conditioning the temperature of a fluid by utilizing a thermoplastic heat exchanger (50) comprised of a plurality of hollow tubes. The apparatus controls the temperature of a process fluid inside the heat exchanger (50) via a controller (46) by adjustment of a control valve (64) that regulates the flow of an exchange fluid. The apparatus can be used to maintain the temperature of a chemical bath (12) and also to prepare discrete dispensed volumes of temperature controlled liquid. The heat exchanger (50) is chemically inert and may be operated in extreme environments.

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