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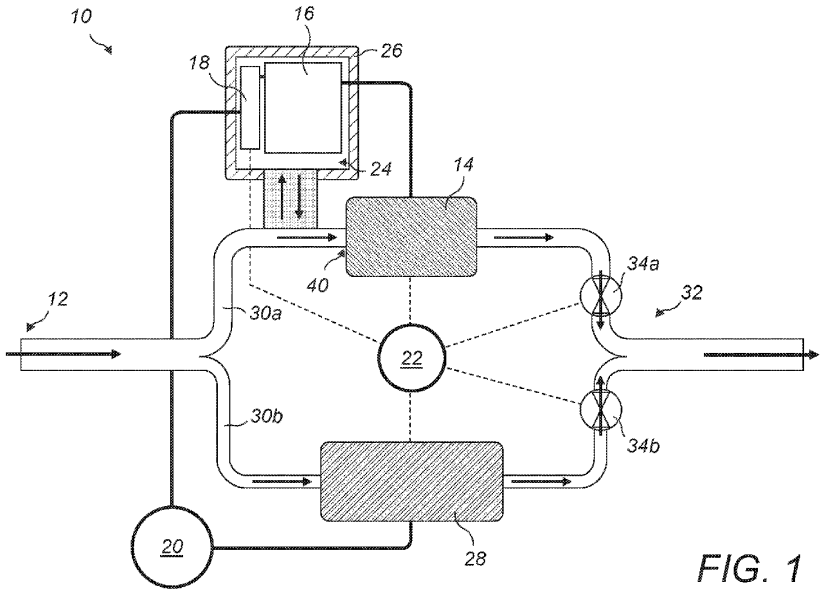


FIG. 1

(57) Abstract: According to an aspect of the invention there is provided a water heating system comprising an electrical heating device for heating water, a battery, a battery management system, a heat sink arrangement, and a thermally insulating shell. The battery is electrically coupled to the electrical heating device for powering the electrical heating device. The battery management system is electrically coupled to the battery for charging the battery. The heat sink arrangement is thermally coupled to the battery and is configured to store and release thermal energy. The thermally insulating shell encloses the battery and the heat sink arrangement.

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