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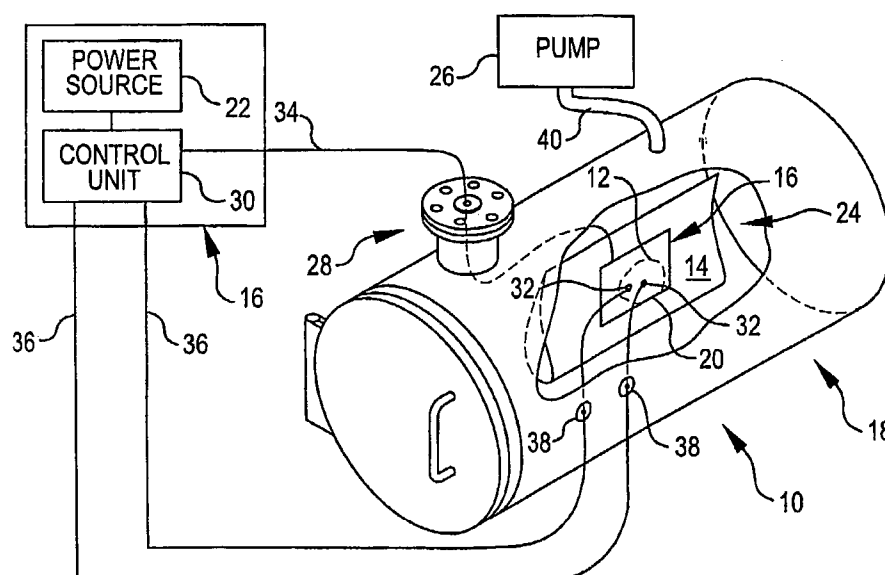
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(54) Title: A VESSEL AND SYSTEM FOR CURING A REPAIR TO A COMPONENT MADE FROM COMPOSITE MATERI-
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(57) Abstract: The present invention provides a pressure vessel (18) for exerting pressure on a repair (12) to a component made of composite materials to cure the repair in the field. The pressure vessel includes a body having a chamber (24) for receiving the repair to the component; a portal (28) operable to permit a heating element (20) of a heater (16) located inside the chamber to be coupled with a power source (22) located outside the chamber to power the heating element; and a pump (26) operable to pressurize the chamber. By pressurizing the chamber, the pressure vessel may exert pressure on a repair placed inside the chamber that exceeds 14.7 psi, and thus, provide a better cure in the field to produce a stronger repair. Furthermore, the pressure vessel may be more easily transported from one location in the field to another than an autoclave.

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