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(54) Title: PROCESSES FOR REMOVING DEPOSITS FROM AN INTEGRATED PLASTIC PYROLYSIS VESSEL AND A STEAM CRACKING FURNACE

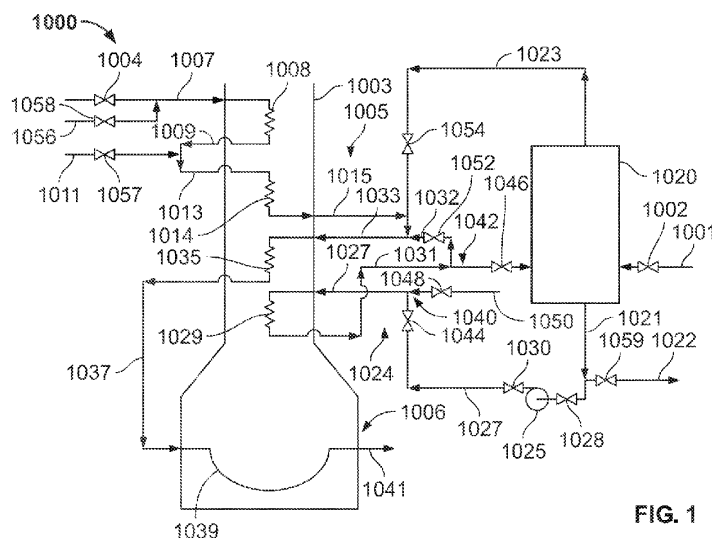


FIG. 1

(57) Abstract: Processes for removing deposits from a pump-around loop or simply loop. The process can include isolating a first and a second end of the loop in fluid communication with a vessel to provide an isolated section. The isolated section can include a first conduit disposed within a convection section of a steam cracking furnace or a heat exchanger that is external to the steam cracking furnace that can include char therein. The first end can be connected to an aqueous fluid/ oxidant source. The second end can be connected, to a second, conduit disposed within the convection section. An aqueous fluid/oxidant mixture can be introduced into the first, end that can be heated by flowing through the isolated section. The heated mixture can flow through the second conduit to produce a second heated mixture that can be introduced into a radiant section of the steam cracking furnace.

[Continued on next page]

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