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(54) **Title:** SYSTEMS FOR TRANSFERRING A FLUID TO AND/OR FROM A VESSEL AND PROCESSES FOR USING SAME

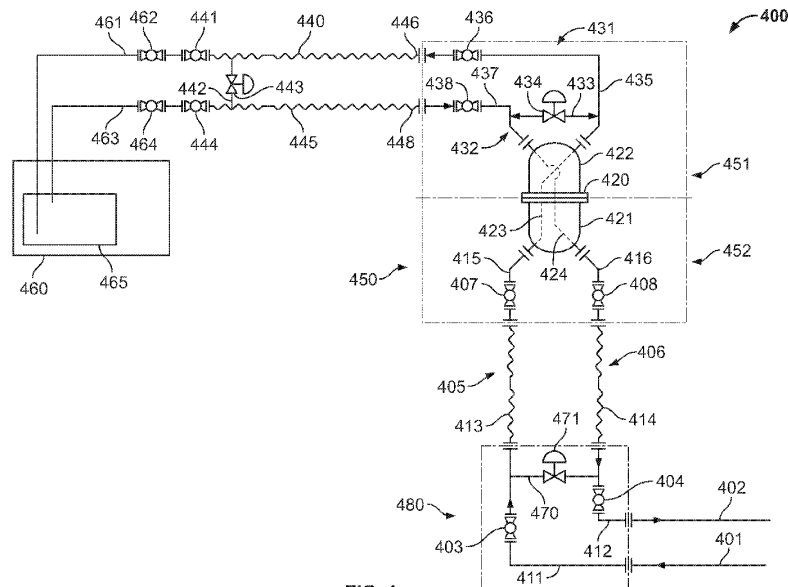


FIG. 4

(57) **Abstract:** Fluid transfer systems and processes for using same. In some embodiments, the system can include a mooring structure, a fluid swivel disposed on the mooring structure, and first and second subsea conduits configured to provide fluid communication between first and second pipelines and first and second flow paths defined by the swivel, respectively. The system can also include first and second surface conduits that can provide fluid communication between a vessel storage tank and the first and second flow paths defined by the swivel, respectively. The system can also include a crossover conduit configured to provide fluid communication between (i) the first and second surface conduits, (ii) the first and second subsea conduits, or (hi) the first subsea conduit and an optional third pipeline. The system can transfer a fluid having a boiling point that is less than an ambient temperature at atmospheric pressure to or from the storage tank.

[Continued on next page]

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