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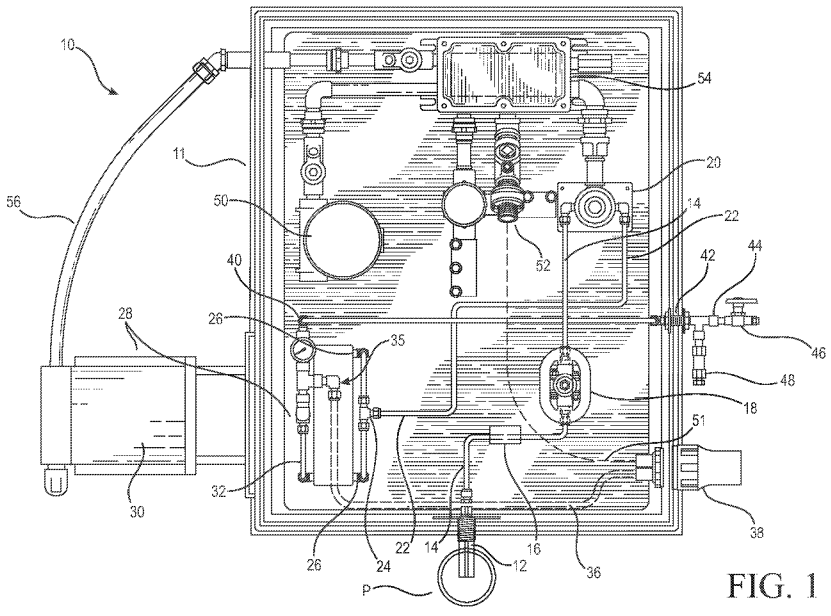


FIG. 1

(57) Abstract: A system and method for conditioning of very low pressure gas samples extracted from a source, heating the samples, boosting the pressure to a level appropriate for analysis, regulating the gas sample temperature and pressure to prevent dew-point dropout from Joules Thompson condensation, and passing the gas sample to an a remotely located analyzer or analyzer array where the electrical power for the pressurizing pump and heated regulator is provided by heat tracing.

WO 2014/209731 A3