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(54) Title: DC POWERED SUBSEA INVERTER

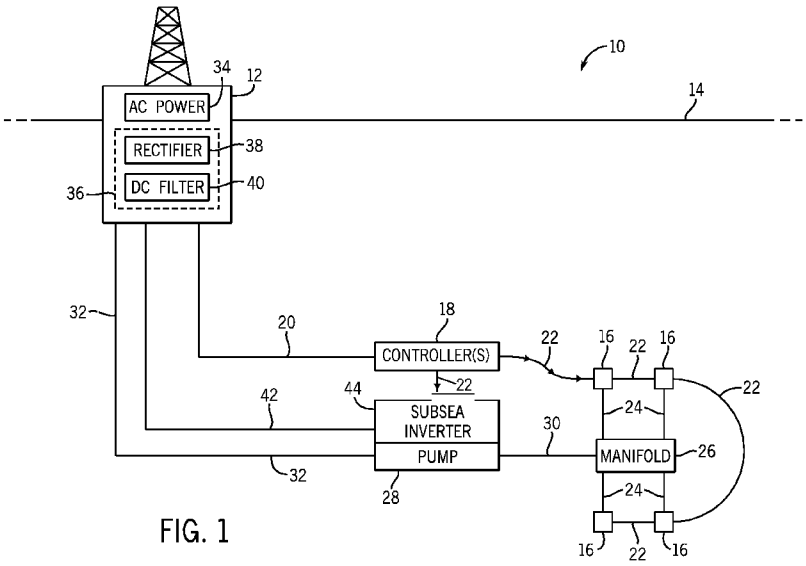


FIG. 1

(57) Abstract: There is provided a system and method for driving AC powered subsea loads. Disclosed embodiments include a system having a rectifier and DC filter configured to be located at a surface vessel and configured to convert AC power supplied by a surface AC power source into DC power. The DC power is transmitted from the surface vessel to an inverter configured to be located remotely from the surface vessel at a subsea location. The subsea inverter converts the transmitted DC power back into AC power, which may then be utilized for driving one or more AC powered subsea loads.

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