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(54) **Title**: DC POWERED SUBSEA INVERTER

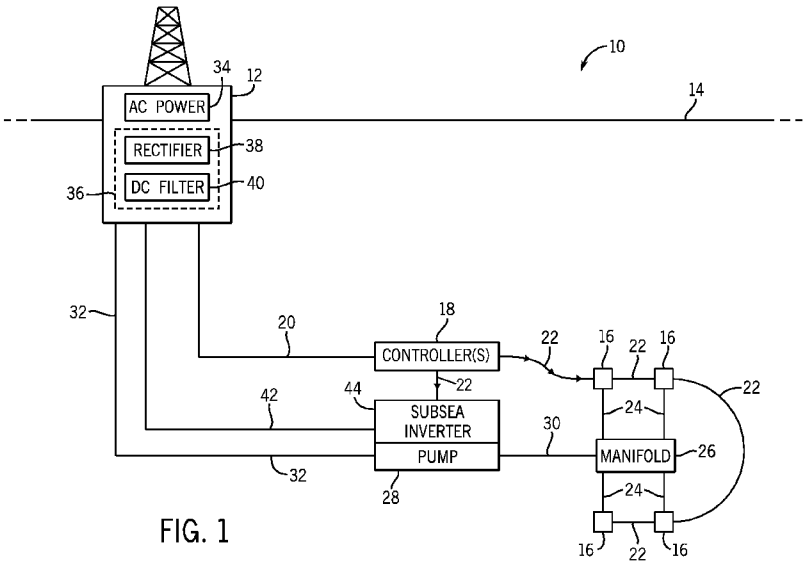


FIG. 1

(57) **Abstract**: There is provided a system and method for driving AC powered subsea loads. Disclosed embodiments include a system having a rectifier (38) and DC filter (40) configured to be located at a surface vessel and configured to convert AC power supplied by a surface AC power source (34) into DC power. The DC power is transmitted from the surface vessel to an inverter (44) configured to be located remotely from the surface vessel at a subsea location. The subsea inverter (44) 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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