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(54) Title: A MODULAR, DISTRIBUTED, ROV RETRIEVABLE SUBSEA CONTROL SYSTEM, ASSOCIATED DEEPWA-
TER SUBSEA BLOWOUT PREVENTER STACK CONFIGURATION, AND METHODS OF USE

(57) Abstract: A distributed function control module adapted for use in a modular blowout preventer (BOP) stack for use subsea comprises a housing, adapted to be manipulated by a remotely operated vehicle (ROV) with a stab portion adapted to be received into a BOP stack control module receiver. Control electronics, adapted to control a predetermined function with respect to the BOP stack, are disposed within the housing and connected to one or more controllable devices by a wet mateable connector interface. It is emphasized that this abstract is provided to comply with the rules requiring an abstract which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope of meaning of the claims.



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