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(54) Title: BLOWOUT PREVENTER CONTROL AND/OR POWER AND/OR DATA COMMUNICATION SYSTEMS AND RELATED METHODS

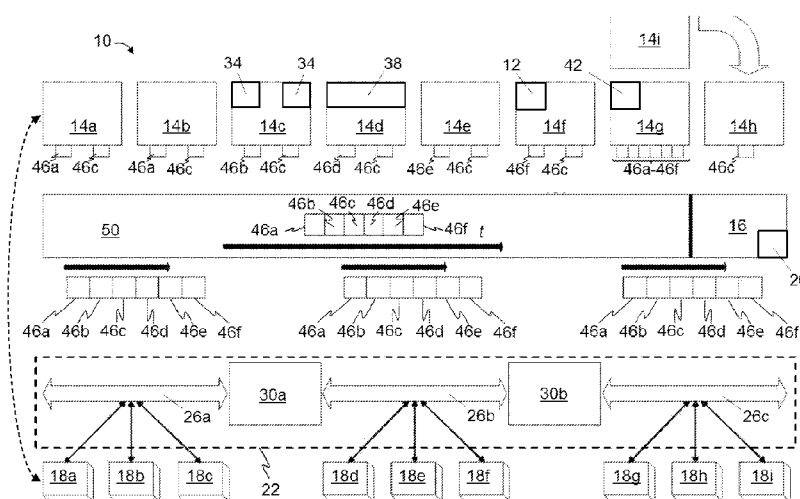


FIG. 1

(57) Abstract: This disclosure includes BOP control and/or power and/or data communication systems and related methods. Some systems use or include a plurality of controllers, each in communication with a BOP control network and configured to transmit information associated with the BOP, and a signal conditioning circuit in electrical communication with and configured to provide a power signal and a data signal to at least one of the plurality of controllers, the signal conditioning circuit including a signal coupler, a subsea signal decoupler, an amplifier, and/or a frequency converter, where each controller is in communication with one or more processors and is configured to transmit at least a portion of the information through the BOP control network during a respective time interval.



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