Blowout Preventer with Intervention, WorkOver Control System Functionality and Method

ABSTRACT

System and method for controlling a blowout preventer (BOP) stack and a tree attached to a wellhead of a well. The system includes at least a MUX pod configured to receive electrical signals and a fluid under pressure, and to provide a first set of functions to the LMRP part, and a second set of functions to a lower BOP part; a pod extension module configured to receive the fluid under pressure from the MUX pod, and to provide a third set of functions to the tree based on the received fluid under pressure; and a control part configured to be attached to the tree and to communicate with the pod extension module. The third set of functions for the tree is different from the second set of functions provided to the lower BOP part.

Figure 3