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(54) Title: METHOD AND SYSTEM FOR TESTING A MULTIPLEXED BOP CONTROL SYSTEM

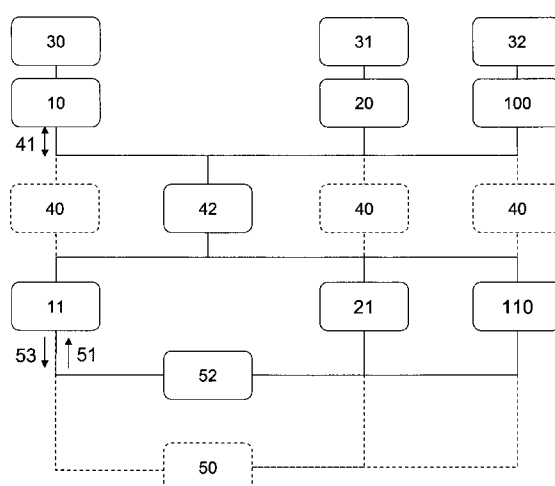


Fig. 4

(57) Abstract: A test system and a method for testing a multiplexed BOP control system (6) wherein the multiplexed BOP control system (6) comprises a first and a second redundant central control unit (10, 20) with respective first and second operator consoles (30, 31), wherein the central control units (10, 20) are arranged for being connected via a first signal transmission system (40) to respective first and second redundant subsea control systems (11, 21) arranged for being connected to BOP valves (50) and BOP sensors (55) in a subsea BOP (1), and the test system comprises a control system signal simulator (52) arranged for being connected between one or more of the control units (10, 20) and one or more of the subsea control systems (11, 21), and further arranged for entirely or partly replacing the first signal transmission system (40) and providing simulated signals (41) between one or more of the control units (10, 20) and one or more of the subsea control systems (11, 21).