METHOD AND SYSTEM FOR PERFORMING AN ELECTRICALLY OPERATED FUNCTION WITH A RUNNING TOOL IN A SUBSEA WELLHEAD

Abstract of the Disclosure

A subsea running tool (17, 35, 53) receives electric potential from a control unit (25, 43, 61) located at a platform (21, 39, 57) through a tubular string (19, 37, 55, 67) having an electrically conductive wire (79) formed in tubular wall of the tubular string (19, 37, 55, 67). The running tool (17, 35, 53) provides at least one electrically operated function for setting a subsea wellhead component (18, 32, 54). The running tool (17, 35, 53) is then run on the tubular string (19, 37, 55, 67) from a surface platform (21, 39, 57) to a location within a wellhead (13, 31, 49). Electric potential is then supplied to the electrically conductive wire (79) by a control unit (25, 43, 61) at the platform (21, 39, 57) to operate the electrically operated function of the running tool (17, 35, 53) to set the subsea wellhead component (18, 32, 53).

Figure 1