

ABSTRACT

SUBSEA EQUIPMENT ALIGNMENT DEVICE

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Systems and methods for coupling subsea tubular members together are provided. An apparatus may be used to properly orient and/or provide communication between a first subsea tubular member that is being landed on a second subsea tubular member. An apparatus for coupling subsea tubular members may include an alignment sub and a corresponding alignment member. The alignment sub includes: a generally cylindrical body having one or more fluid, electric, or fiber optic lines extending therethrough, one or more couplings coupled to at least one end of the alignment sub, and an orientation profile disposed on a surface of the alignment sub. The alignment member has a profile designed to interface with the orientation profile of the alignment sub. One of the alignment sub and the alignment member remains stationary while the other rotates relative to the stationary structure.

FIGURE 1