

with a brief summary of certain forms the invention might take and that these aspects are not intended to limit the scope of the invention. Indeed, the invention may encompass a variety of aspects that may not be set forth below.

[0004A] According to a first aspect, there is provided a system comprising: a casing hanger; and a landing shoulder for receiving the casing hanger and supporting the casing hanger within a wellhead; wherein the casing hanger and the landing shoulder have complementary features that cooperate to inhibit rotation of the casing hanger with respect to the landing shoulder.

[0004A] According to a first aspect, there is provided a method comprising: lowering a casing hanger into a wellhead assembly via a landing joint; landing the casing hanger on a landing shoulder; and rotating the landing joint after landing the casing hanger on the landing shoulder while preventing rotation of the casing hanger with the landing joint through locking engagement of the casing hanger to the landing shoulder to release the casing hanger and enable removal of the landing joint from the wellhead assembly.

[0005] Examples generally relate to the installation of casing hangers in wellhead assemblies. In some instances, such as during cementing of the casing strings within the wells, top drives or other rotating machines are used to drive rotation of casing hangers and attached casing strings. In a cementing context, such rotation may reduce undesirable voids in the cement. But this rotation can also cause tightening of a threaded connection between the casing hanger and a device (e.g., a landing joint or a running tool) that transmits torque from the rotating machine to the casing hanger, and this tightening can hamper disconnection of the torque-transmitting device from the casing hanger. In at least some examples, however, a casing hanger has anti-rotation features, such as keys, that can be used to prevent rotation of the casing hanger to facilitate disconnection of the landing joint or other torque-transmitting device.

[0006] Various refinements of the features noted above may exist in relation to various aspects of the present embodiments. Further features may also be incorporated in these various aspects as well. These refinements and additional features may exist individually or in any combination. For instance, various features discussed below in relation to one or more of the illustrated embodiments may be incorporated into any of the above -described aspects of the present disclosure alone or in any combination. Again, the brief summary presented above is intended only to familiarize the reader with certain aspects and contexts of some embodiments without limitation to the claimed subject matter.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] These and other features, aspects, and advantages of certain embodiments will become better understood when the following detailed description is read with reference to the accompanying drawings in which like characters represent like parts throughout the drawings, wherein: