Abstract

SUBSEA TREE COUPLING FOR MUDLINE SUSPENSION SYSTEM

The coupling comprises a radially outer connection e.g. between tree surface 116 and conductor housing 114, adapted to make a rigid joint with a conductor casing 112. A radially inner connection, e.g. depending skirt 142 of the tree, is adapted to make a sealed joint directly with a casing hanger assembly 132, 136, 146, 150, 128 of the mudline suspension system 130. The invention thus substantially eliminates the use of additional hangers besides those of the mudline suspension system, simplifying the coupling assembly, and providing the possibility of reduced stackup heights. The relatively compact and simple coupling thus obtained gives shorter installation times and lower costs. The rigid joint between the coupling and the conductor casing 112 ensures that any external loading is transferred to the conductor casing 112.

Figure 2