

## **ABSTRACT**

### **Improved Methods and Systems for Tensioner Connection**

Improved methods and systems for connecting a riser tensioner system to a riser are disclosed. A system for coupling a tensioner cylinder to a riser includes a top pin connection disposed at a first distal end of the tensioner cylinder. The top pin connection couples the tensioner cylinder to a platform. The tensioner cylinder includes an extension rod and a bottom pin connection is disposed at a second distal end of the tensioner cylinder on the extension rod. A tension ring is coupled to the riser. An adjustable linkage system is coupled to the tensioner cylinder and includes an attachment mechanism and a positioning mechanism. The adjustable linkage system is operable to couple the tensioner cylinder to the tension ring.

FIG. 2C