MARINE RISER TENSIONER

ABSTRACT OF THE DISCLOSURE

A push-up tensioner (11) for maintaining a tensile force in a riser (13) having an axis (39) couples to a floating platform and maintains the tensile force while the riser (13) tilts variably from the vertical. The tensioner (11) includes a plurality of cylinders (35) having a lower end pivotally coupled to the deck (17). The cylinders (35) are substantially perpendicular to the deck (17) in the running position and at an angle to the deck (17) in the tensioning position. After running of the riser (13), a placement assembly (51) moves the cylinders (35) from the running position to the tensioning position. A tensioner ring (21) is run on the riser (13) proximate to an upper end of the cylinders (35), and the cylinders (35) are then automatically coupled to the tensioner ring (21).

Figure 1