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Plain

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(54) **RISER TENSION PROTECTOR AND METHOD OF USE THEREOF**

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CPC ***E21B 19/006*** (2013.01); ***E21B 17/01*** (2013.01); ***E21B 17/20*** (2013.01); ***E21B 19/22*** (2013.01)

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See application file for complete search history.

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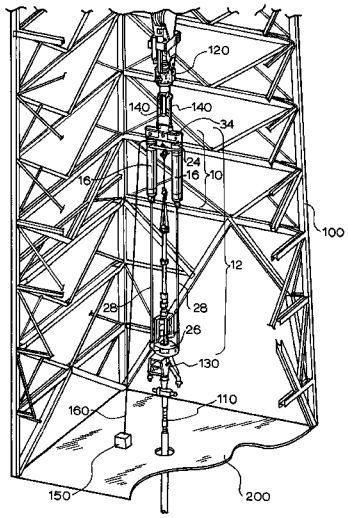
(57) **ABSTRACT**

A riser tension protector and coiled tubing lift frame assembly including same for use as a backup heave compensator is described. The assembly includes a frame having an upper frame section adapted for attachment to a top drive system and a lower frame section adapted to interface with a flow-head assembly; and a pair of pneumatic cylinders spaced apart from one another. The pneumatic cylinders have a respective cylinder barrel and a piston rod translatable therein, a free end of the piston rods being fixed to the upper frame section and a lower end of the cylinder barrels being fixed relative to the lower frame section.

20 Claims, 8 Drawing Sheets