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(56) Documents Cited:
US 6216789 B1 US 20110005767 A1
US 20080271896 A1 US 20030102134 A1
WO0177483A1

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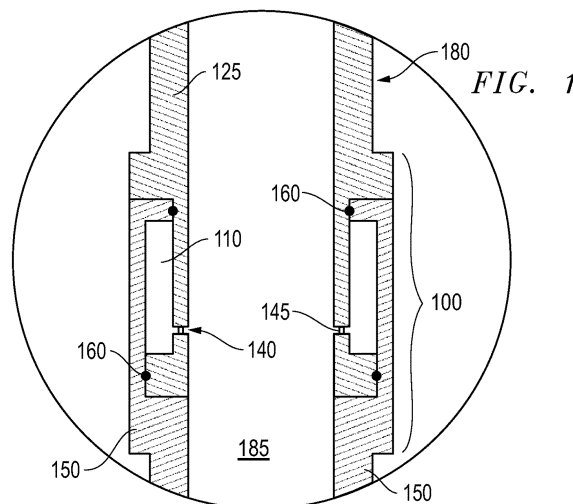
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(54) Title of the Invention: **Passive offshore tension compensator assembly**
Abstract Title: **Passive offshore tension compensator assembly**

(57) A tensions compensator assembly for a slip type joint in an offshore work string. The assembly includes a chamber at the joint which is constructed in a manner to offset or minimize a pressure differential in a production channel that runs through the work string. Thus, potentially very high pressures running through the string are less apt to prematurely force actuation and expansiveness of the slip joint. Rather, the expansive movement of the joint is more properly responsive to heave, changes in offshore platform elevation and other outside forces of structural concern.



GB 2518033 A