

Rechargeable Subsea Force Generating Device and Method

ABSTRACT

Method and device to be used for resetting a pressure in a low pressure recipient (60) connected to a subsea pressure control device. The device includes the low pressure recipient (60) configured to have first (77) and second (76) chambers separated by a first piston (74); a reset recipient (70) configured to have third (86) and fourth (88) chambers separated by a piston assembly (80), and the piston assembly (80) includes a second piston (82) having first (84) and second (100) extension elements that extend along a direction of movement of the piston assembly (80). The third chamber (86) has an inlet (90) configured to allow the hydraulic liquid to enter the third chamber (86) and an outlet (108) configured to allow the hydraulic liquid to exit the third chamber (86), and the fourth chamber (88) has an inlet (92) configured to allow the hydraulic liquid to enter the fourth chamber (88) and an outlet configured to allow the hydraulic liquid to exit the fourth chamber (88).

[Fig. 10]