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56 9701586-1

(54) Title: REUSABLE VISCOUS MATERIAL DISPENSING APPARATUS

(57) Abstract

A reusable viscous material dispensing system has a sealed pressure cylinder (8) with a rounded upper region (14) with an inert gas inlet (29), and a rounded bottom region (12) with a viscous material ingress and egress opening (28). A pressurizing boat (16) has a lower, hull portion (18) which is weighted with ballast (20), and an upper portion (22). The lower hull portion (18) and upper portion (22) join along a circular interface region (26). The diameter of the circular interface region (26) is smaller than the diameter of the cylinder (8). The boat (16) floats in the cylinder filled with viscous material (23). The viscous material (23) forms a gaseous pressure seal between the interface region (26) of the boat (16) and inside of the pressure cylinder (8). Fins (24) extend radially outwardly from the interface region (26) of the pressurizing boat (16) and prevent the interface region (26) from scraping viscous material (23) off the sidewalls (10) of the cylinder (8).

