

SPHERICAL-ANNULAR BLOWOUT PREVENTER HAVING A PLURALITY OF PISTONS

ABSTRACT

A blowout preventer includes a housing including interconnected cylinders formed therein, a main seal positioned within the housing, cylindrical sleeves removably placed within the interconnected cylinders, annular pistons and glands placed within the sleeves; and an energizing ring configured to be operated on by the annular pistons in order to operate the main seal. A blowout preventer may also include an upper gland assembly for isolating a void space within the housing from the interconnected cylinders.

Figure 2