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(54) **Title**: NESTED CYLINDER COMPACT BLOWOUT PREVENTER

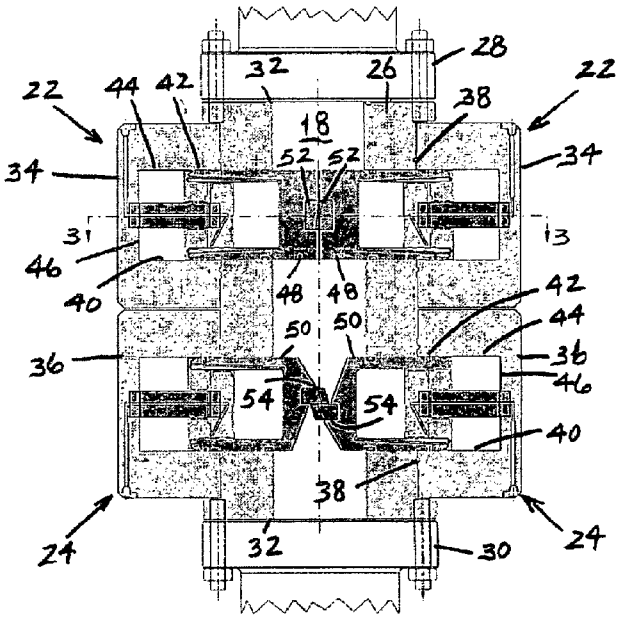


Fig. 2

(57) **Abstract**: A blowout preventer comprises a pair of ram assemblies which are mounted on diametrically opposite sides of a BOP housing. A cylinder-ram is slidably received within each ram assembly and includes a cylindrical cavity. A back plate couples with the outer end of the cylinder-ram and a piston head is positioned in the cavity, forming first and second piston chambers. Hydraulic pressure in the first and second piston chambers forces the cylinder ram from an open position to a closed position, thereby sealing the BOP bore.

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