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(54) Title: VARIABLE-VOLUME HEAD

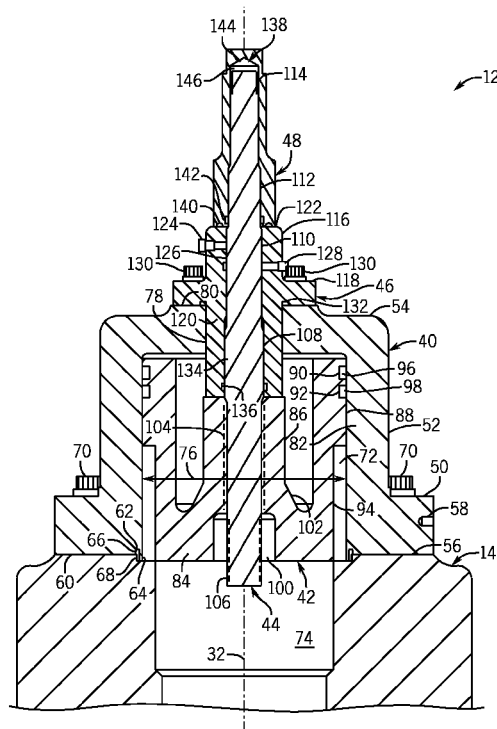


FIG. 2

(57) Abstract: Disclosed is a device that includes a natural-gas compression system having a natural-gas powered combustion engine, a compression cylinder configured to receive natural gas and output compressed natural gas, a piston disposed in the compression cylinder and configured to translate through the compression cylinder in response to mechanical power received from the natural-gas powered combustion engine, and a variable-volume head mounted to the compression cylinder and configured to vary a compressed volume of the compression cylinder. In some instances, the variable-volume head includes a head body, an adjustment screw rotatably coupled to the head body, a plug moveable in threaded engagement with the adjustment screw, and an anti-rotation device coupled to the plug, the head body, or both. The anti-rotation device may be configured to impede the plug from rotating relative to the head body as the adjustment screw rotates.



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