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(54) Title: SCROLL PUMP AND SCROLL PUMP INLET VALVE

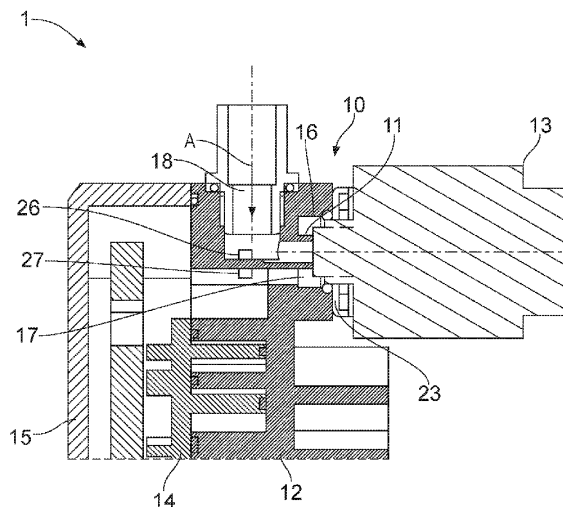


FIG. 1

(57) Abstract: A scroll pump inlet valve and scroll pump are disclosed. The scroll pump inlet valve comprises: a valve seat formed by at least one of a stator and an inlet cover of the scroll pump; and a sealing mechanism, mounted to the stator or the inlet cover. The sealing mechanism comprises an actuator configured to move the sealing mechanism between an open position in which a scroll mechanism and an inlet port of the scroll pump are fluidly connected and a closed position in which the sealing mechanism engages the valve seat to seal the scroll mechanism from the inlet port.

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