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(54) Title: SPLIT GATE VALVE

(57) Abstract: Provided in some embodiments is a system that includes a split gate valve (10) including first (22) and second (24) gate sections coupled together and configured to move together within a cavity (26) of the split gate valve (10) between an open position and a closed position. The split gate valve (10) includes a rolling actuator (12) to reduce friction and to convert a rotational input into a linear motion to move the first (22) and second (24) gate sections between the open and closed positions. In other embodiments is provided a method that includes converting a rotational input into a linear motion to activate a split gate valve (10) via a rolling actuator (12). The method also includes seating first (22) and second (24) gate sections of the split gate valve (10) against opposite first and second seats (54) to provide a double seal.

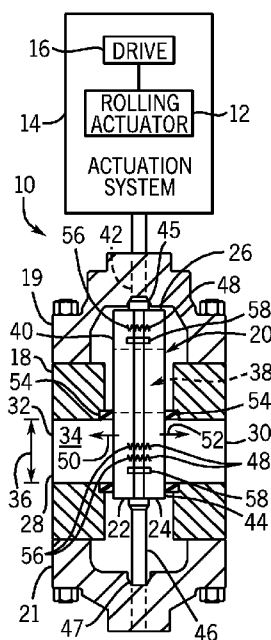


FIG. 1



DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE,
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