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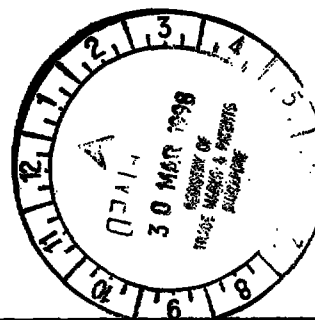
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(54) Title: LOW POWER PILOT VALVE ACTUATED BY TRANSVERSE OR PERPENDICULAR ACTION

(57) Abstract

A valve (1, 2) of the kind that is caused to open and close in consequence of the opening and closing of a bleed orifice (15) by a movable pilot valve element (3, 4, 5), characterised in that said element (3, 4, 5) is displaced from sealing relationship with the orifice (15) by a torque resulting from a force applied (7, 9) to the element (3, 4, 5) along a line of action which does not extend through the orifice (15). Another embodiment of the pilot valve element consists of a cylindrical magnet housed in an elastomeric tyre actuated by a permanent magnet or electromagnet (Figures 5-8). Actuators of the torque causing force include a solenoid (Figures 1-2), float (Figure 3), and fluid pressure (Figure 4).

