ABSTRACT

ACTUATION MODULE

A valve actuation module (3) having a plurality of valve actuators (10) for operating respective valve elements (5) via a rotary drive. The module is arranged to receive primary power and control signals from an external source in order to operate the valves. Each actuator (10) has its own back-up power means comprising a self-contained electrical storage unit (22) providing a secondary power source, a motor (18) driven by the electrical storage unit, and control means (20) to detect the interruption of the primary power and cause the valve element to be moved into a safe position using the secondary power.

This Sheet Has Been Replaced

