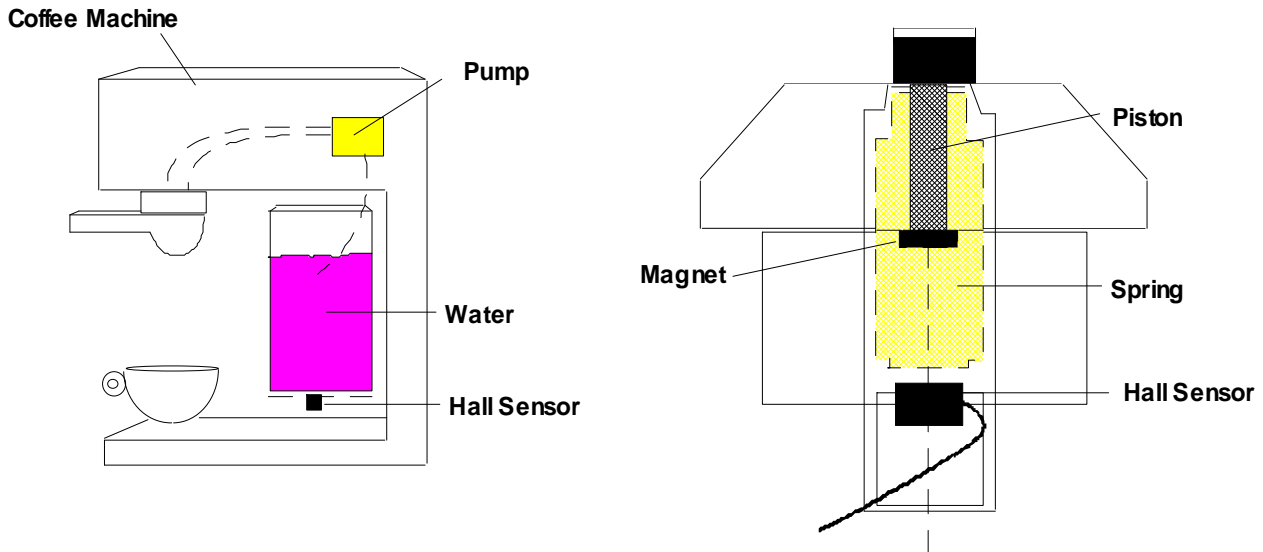


Coffee Machine

SOLID STATE

AP 00238



PRODUCT SS443A

APPLICATION DESCRIPTION

Function of the sensors: both sensors are used as level detectors. One is used to indicate the minimum quantity of water, the other to indicate the maximum amount of used coffee residing in the machine. In both cases the weight of the material causes the magnet to move toward or away from our Hall sensor. This movement allows the sensor to either turn on the pump or to indicate the coffee powder has to be removed. As a consequence one may refill the coffee machine with water or throw away the used coffee.

The mechanical switch previously used was very low cost but gave some reliability problems due to moisture. These problems are totally resolved with the current solution as well as dirt and cleaning problems.