

FEEDBACK CONTROL SYSTEM AND METHOD FOR MAINTAINING CONSTANT POWER OPERATION OF ELECTRICAL HEATERS

Abstract

A method for determining presence and/or concentration of a target gas species in an environment, said method comprising electrically heating a gas sensing element whose electrical resistance changes in correspondence to presence and/or concentration of the target gas species, wherein said electrically heating comprises maintenance of constant power input to the gas sensing element, and determining from change in electrical resistance of the gas sensing element the presence and/or concentration of the target gas species.

Fig. 1