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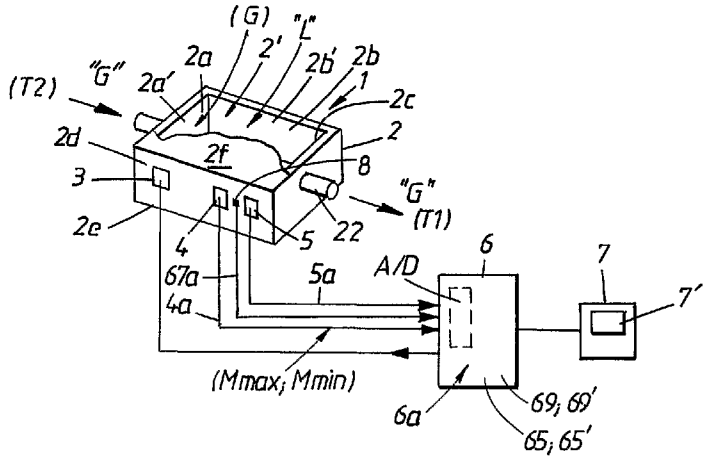
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[Continued on next page]

(54) Title: A METHOD OF COMPENSATING FOR A MEASURING ERROR AND AN ELECTRONIC ARRANGEMENT TO THIS END



(57) Abstract: The present invention relates to a method and to an electronic arrangement (6) for causing a temperature depending error compensation to measured values, said compensation is related, among other things, to a "drift" error source, in respect of measuring processes which utilise a sensor (1). Electronic circuits (6) are adapted to establish the presence of one or more gases and/or gas mixtures and/or to calculate the concentration of such a gas or gas mixtures. A highest measurement value (Mmax) or a lowest measurement value (Mmin) occurring and established during a chosen measuring cycle (T1) shall be stored in a memory (69´). It is particularly proposed; that a lowest analogue value or a highest digitalised measurement value occurring and evaluated during a chosen time period (T1) shall be stored in said memory (69´); that the occurring and evaluated measurement value (Mmax; Mmin) at the end of a chosen measuring cycle or time period (T1) shall be compared with a stored analogue or through an A/D-converter digitalised control value (65´); and that a discrepancy between the evaluated measured lowest or highest values and said stored control value is used as the basis for related and/or corresponding compensation (K1) of the measurement values occurring in a following time period (T2).

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