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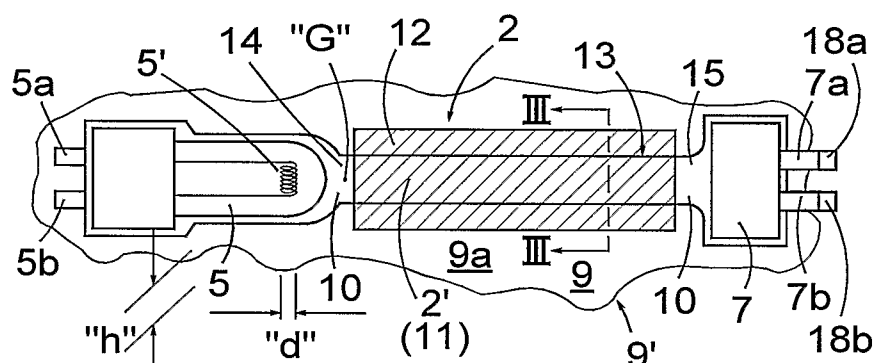
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(54) Title: A GAS DETECTING ARRANGEMENT



(57) Abstract: The present invention relates to a gas detecting arrangement (1) that comprises of a gas cell (2), which includes a cavity (2'), a gas-cell-related light source (5), a gas-cell-related light detector (7) and a controlling and computing unit (6), wherein the unit is adapted for initiating (5a) activation of the light source (5) and also to evaluate the presence and/or the concentration of a gas and/or a gas mixture (G) enclosed in the cell cavity (2') in response to light-detector-related signals (7a) received from the light detector (7). The gas cell (2) is structured as a very small or narrow slot and/or a channel (10) in a circuit board (9) or in a printed circuit board (9) on which components have been mounted, and an opening (11) related to the channel (10) in said circuit board or surface-mounted board is covered by a lid-functioning element (12). The slot and/or the channel shall have a very narrow width which is adapted to correspond to, or at least correspond generally to, the width of a coiled incandescent filament (5') in the lamp used in said light source (5), whereas the height of said filament shall correspond to the length of the coiled filament (5').