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(54) **ACTUATING AND SENSING APPARATUS AND CASE USING THE SAME**

(57) An actuating and sensing apparatus (1) includes a circuit board (10), a housing (11), an actuating device (12) and a sensor (13). The housing (11) is disposed on the circuit board (10) and has an inhale aperture (111a), a discharge aperture (111b) and a compartment (115). The compartment (115) is in communication with the exterior of the housing (11) through the inhale aperture (111a) and the discharge aperture (111b). The actuating device (12) is disposed within the compartment (115). The sensor (13) is disposed within the compartment

(115) and corresponding in position to the inhale aperture (111a). When the actuating device (12) is driven, gas within the compartment (115) is guided to the exterior of the housing (11), and a pressure gradient is generated in the compartment (115) so as to introduce the gas from the exterior of the housing (11) into the compartment (115) through the inhale aperture (111a) to make the gas measured by the sensor (13).

EP 3 447 470 A8

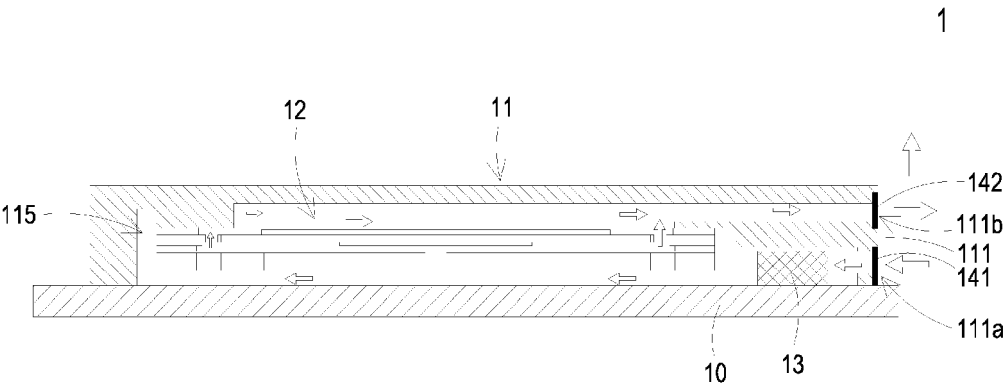


FIG. 2