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(54) A WEIGHING ARRANGEMENT

(57) The present invention concerns a weighing arrangement (1) configured to be mounted on a lift device (4). The weighing arrangement (1) comprises a flexible portion (21, 21', 21'', S1) configured to deform when a load (22) is applied to the flexible portion.

A gap sensor (23) is configured to detect the measure of a gap (g), the measure of which is dependent upon applied load (22). An electrical control circuitry (26) is coupled to the gap sensor (23) and is configured to convert the gap measure to a registered weight of the applied load (22). The weighing arrangement (1) further comprises

an electro-mechanical gyroscope (28) coupled to the electrical control circuitry (26). The electro-mechanical gyroscope (28) is configured to measure rotational velocity of the weighing arrangement (1), whereby the electrical control circuitry (26) is configured to adjust the registered weight to actual weight from changes in rotational velocity.

The present invention also concerns a method of weighing a load (22) by means of the weighing arrangement (1).

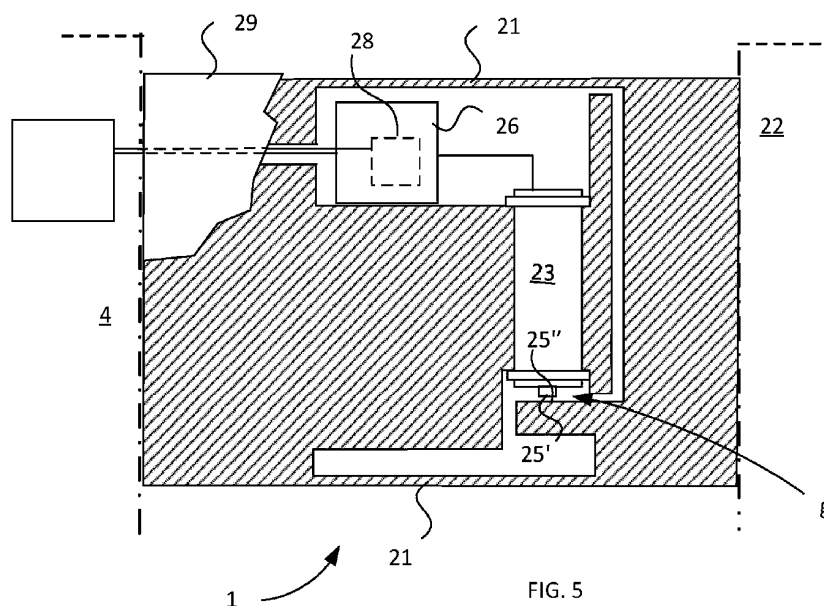


FIG. 5

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