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(57) Abstract :

A apparatus(100) for determining level of fluid (8) in a tank (6) of a motor vehicle, said apparatus comprising: a floating element (30) floating on the surface of the fluid in said tank (6), a first variable resistor (14) associated with a first connecting means (10), a second variable resistor (16) associated with a second connecting means (20); wherein said first and second connecting means are movable along its length when said floating element (30) moves a first end of said first and second connecting means (10, 20) connected to said floating element (30) and a second end of said first and second connecting means (10,20) hinged to an inner wall of the tank at two different positions (25, 26) respectively such that resistance of said first and second variable resistor (14, 16) varies when said floating element (30) moves along with the level of said fluid (8) in said tank (6), a first movable contact (11) interlocked with the resistance of the first variable resistor (14) to vary the resistance to produce a first voltage (V1) and a second movable contact (12) interlocked with the resistance of second variable resistor (16) to vary the resistance to produce a second voltage (V2) with a movement of the floating element (30); and a voltage sensing device (50) is connected to said first and second variable resistor (14, 16) to receive said first and second voltages (V1.V2) to determine said level of fluid (8) in the tank.

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