

Title (en)  
ELECTRICAL DISPENSER

Publication  
**EP 0104422 B1 19861112 (DE)**

Application  
**EP 83108248 A 19830822**

Priority  
DE 3231806 A 19820826

Abstract (en)  
[origin: EP0104422A2] 1. Electrically operable dispenser for liquid or pasty materials, such as disinfectants, cleaning agents, soap and ointments, comprising a dispensing container (2) for the materials to be dispensed, a pump (29) connected to the dispensing container, and an inlet valve (22) and an outlet valve (31) for the materials to be dispensed, in which dispenser the pump is controlled by means of a capacitive proximity switch (67), characterised in that the proximity switch (67) has a sensor circuit, the sensor circuit contains four NAND Schmitt triggers, two of these being connected as oscillators (79, 80) of which one serves as a fixed oscillator (80) and the other, acting as a variable oscillator (79), can be influenced by the sensor plate (71), the third NAND Schmitt trigger, acting as a phase discriminator (81), is connected upstream of the fourth NAND Schmitt trigger, acting as a threshold switch (88), with the interposition of a diode (85), and the sensor circuit furthermore comprises a CMOS-IC and a sensor plate (71), a diode (97) being connected between the sensor circuit and the power supply (72) and a capacitor (96) being connected in parallel with the sensor circuit.

IPC 1-7  
**A47K 5/12**; **H03K 17/955**

IPC 8 full level  
**A47K 5/12** (2006.01); **H03K 17/955** (2006.01)

CPC (source: EP)  
**A47K 5/1217** (2013.01)

Cited by  
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**EP 0104422 A2 19840404**; **EP 0104422 A3 19850116**; **EP 0104422 B1 19861112**; AT E23431 T1 19861115; DE 3231806 A1 19840301; DE 3231806 C2 19840614; DE 3367509 D1 19870102

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