

Title (en)
VENDING MACHINE CONTROL AND DIAGNOSTIC APPARATUS

Publication
EP 0063426 B1 19880817 (EN)

Application
EP 82301641 A 19820329

Priority
US 25038581 A 19810402

Abstract (en)
[origin: EP0063426A2] Vending machine control and diagnostic apparatus for a vending apparatus having product delivery means (10) comprising an electrically operated actuator (A1) for delivery of products, an impedance element (R1) and a circuit opening switch (S1). The impedance element and the switch are connected electrically in series with each other and in a parallel circuit with the actuator, and the opening and closing of the switch is controlled by the operation of the actuator. The control and diagnostic apparatus has a detector (30) for detecting changes in impedance of the parallel circuit so as to indicate the position and/or condition of the actuator.

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IPC 8 full level
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CPC (source: EP KR US)
G07F 5/26 (2013.01 - EP); **G07F 9/00** (2013.01 - EP KR US); **G07F 9/006** (2013.01 - KR); **G07F 11/16** (2013.01 - EP US); **G07F 11/42** (2013.01 - KR)

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US 4220235 A 19800902 - LINDSEY JAMES C [US], et al

Cited by
EP0375957A3; US5458536A; WO9301568A1

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EP 0063426 A2 19821027; **EP 0063426 A3 19830601**; **EP 0063426 B1 19880817**; AT E36614 T1 19880915; AU 549125 B2 19860116; AU 8189282 A 19821007; BR 8201786 A 19830301; CA 1171160 A 19840717; DE 3278921 D1 19880922; DK 149582 A 19821003; DK 162547 B 19911111; DK 162547 C 19920406; ES 511076 A0 19830616; ES 8307398 A1 19830616; GB 2100009 A 19821215; GB 2100009 B 19850403; HK 15790 A 19900309; IE 52332 B1 19870916; IE 820772 L 19821002; JP H0415508 B2 19920318; JP S57176491 A 19821029; KR 830009537 A 19831222; KR 880000756 B1 19880504; MX 152286 A 19850620; MY 8800100 A 19881231; SG 102687 G 19890901; ZA 821825 B 19830223

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