

Title (en)

SWITCH DEVICE AND ITS WIRING STRUCTURE

Title (de)

SCHALTEINRICHTUNG UND IHRE VERBINDUNGSSTRUKTUR

Title (fr)

DISPOSITIF COMMUTATEUR ET SA STRUCTURE DE CABLAGE

Publication

EP 0607438 B9 20010321 (EN)

Application

EP 92919638 A 19920910

Priority

- JP 9201159 W 19920910
- JP 23063391 A 19910910

Abstract (en)

[origin: EP0607438A1] A switch device equipped with a sensor for confirming the operation of an ejector, sensing the existence of an article transferred by a suction pad or for confirming suction of a transferred article; and a wiring structure between a control device connected to this switch device and the sensor. In this switch device, a setting unit including control means and display means and a main body unit are detachably constructed so that the switch device itself can be made small in size and light in weight. In the wiring structure between the control device and the sensor, wiring can be simplified and the possibility of wrong wiring can be eliminated by omitting a power supply line for the sensor. <IMAGE>

IPC 1-7

G08C 19/00; **H01H 35/24**

IPC 8 full level

G05B 19/418 (2006.01); **G08C 19/00** (2006.01); **H01H 35/24** (2006.01); **H05K 7/14** (2006.01)

CPC (source: EP US)

G05B 19/4185 (2013.01 - EP US); **H01H 35/24** (2013.01 - EP US); **H05K 7/14** (2013.01 - EP US); **G05B 2219/31114** (2013.01 - EP US); **G05B 2219/31152** (2013.01 - EP US); **G05B 2219/33202** (2013.01 - EP US); **Y02P 90/02** (2015.11 - EP US)

Cited by

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Designated contracting state (EPC)

DE

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EP 0607438 A1 19940727; **EP 0607438 A4 19960207**; **EP 0607438 B1 19990609**; **EP 0607438 B9 20010321**; DE 69229398 D1 19990715; DE 69229398 T2 20000323; JP H0573795 A 19930326; US 5604386 A 19970218; WO 9305491 A1 19930318

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