

Title (en)
PINCHING DETECTION SWITCH

Title (de)
EINKLEMMUNGSDETEKTIONSSCHALTER

Title (fr)
COMMUTATEUR DE DÉTECTION DE PINCEMENT

Publication
EP 3533964 A1 20190904 (EN)

Application
EP 19275005 A 20190114

Priority
JP 2018035415 A 20180228

Abstract (en)
A pinching detection switch includes: tubular pressure sensitive detection members having a plurality of electrode wires separated from each other; and a cover member covering the pressure sensitive detection members. When viewed from a sectional view, the cover member includes: a base portion; a hollow portion; and a deformation portion provided to the base portion so as to cover the hollow portion. The pressure sensitive detection members are arranged on the deformation portion, a receiving portion for receiving the pressure sensitive detection members is placed on the base portion, and the receiving portion has: a first receiving face for receiving the first pressure sensitive detection member at a position opposing the first pressure sensitive detection member; and a second receiving face for receiving the second pressure sensitive detection member at a position opposing the second pressure sensitive detection members.

IPC 8 full level
E05F 15/44 (2015.01); **B60J 1/17** (2006.01)

CPC (source: CN EP)
E05F 15/40 (2015.01 - CN); **E05F 15/443** (2015.01 - EP); **E05Y 2900/55** (2013.01 - CN)

Citation (applicant)
• JP 2000343937 A 20001212 - MATSUSHITA ELECTRIC IND CO LTD
• JP 2014216300 A 20141117 - HITACHI METALS LTD

Citation (search report)
• [IA] JP 3107973 U 20050407
• [A] EP 1031696 A2 20000830 - ASMO CO LTD [JP]

Cited by
US11549301B2; EP3754683A4; US11993970B2; US11788338B2; EP3591157A3

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3533964 A1 20190904; **EP 3533964 B1 20210303**; CN 110206436 A 20190906; CN 110206436 B 20220104; JP 2019153372 A 20190912; JP 6447762 B1 20190109

DOCDB simple family (application)
EP 19275005 A 20190114; CN 201811591215 A 20181225; JP 2018035415 A 20180228