

Title (en)

WATERPROOF AND DUST PROTECTED SWITCH

Title (de)

WASSERDICHTER UND STAUBGESCHÜTZTER SCHALTER

Title (fr)

COMMUTATEUR ÉTANCHE À L'EAU ET PROTÉGÉ CONTRE LA POUSSIÈRE

Publication

**EP 2760036 A1 20140730 (EN)**

Application

**EP 12833210 A 20120517**

Priority

- JP 2011205828 A 20110921
- JP 2012062586 W 20120517

Abstract (en)

[Problem] To provide a waterproof and dust protected switch having superior shape retention characteristics, durability, and operating stability.  
[Solution] This waterproof and dust protected switch (SW) is provided with a switch mechanism unit (1) that switches contacts by the operation of an outside force and a switch case (2) that protects the switch mechanism unit (1). The switch case (2) is constituted of a case main body (7) formed from a hard material that accommodates the switch mechanism unit (1) and a cover (9) that covers the case main body (7) and is formed from a soft material. The case main body (7) and cover (9) are integrated by two-color molding, and also a reinforcing rib (8) is provided integrated with the case main body (7) or separately on a part where the outside force operates on the cover (9).

IPC 8 full level

**H01H 9/04** (2006.01); **H01H 21/08** (2006.01)

CPC (source: EP KR)

**H01H 9/04** (2013.01 - EP KR); **H01H 13/063** (2013.01 - KR); **H01H 21/08** (2013.01 - KR); **H01H 21/08** (2013.01 - EP);  
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Cited by

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DOCDB simple family (publication)

**EP 2760036 A1 20140730**; **EP 2760036 A4 20150624**; CN 103828004 A 20140528; CN 103828004 B 20170922; JP 6045114 B2 20161214;  
JP WO2013042403 A1 20150326; KR 101827510 B1 20180208; KR 20140064881 A 20140528; WO 2013042403 A1 20130328

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