

Title (en)
Locking system for multi-section housing

Title (de)
Verriegelungssystem für mehrteilige Gehäuse

Title (fr)
Système de verrouillage pour boîtier en plusieurs parties

Publication
EP 2295690 A3 20140528 (DE)

Application
EP 10009098 A 20100902

Priority
DE 102009041371 A 20090911

Abstract (en)
[origin: EP2295690A2] The system has an elastic locking plate engaged on two housing halves (3, 6) and surrounded by a displaceable sliding element (20). Rectangular window openings are formed in tabs that correlate with latches and bearing pins on the housing halves. The tabs are bent or elongated using the displaceable sliding element that surrounds the locking plate such that bending of the locking plate causes the housing halves to be unlocked or locked. The sliding element is realized in a form of open hollow body with rectangular basic shape and a concave outer surface.

IPC 8 full level
E05C 19/06 (2006.01); **H01R 13/508** (2006.01)

CPC (source: EP US)
E05C 19/06 (2013.01 - EP US); **H01R 13/508** (2013.01 - EP US)

Citation (search report)

- [X] DE 102005025769 B3 20060921 - HARTING ELECTRIC GMBH & CO KG [DE]
- [A] DE 4205960 A1 19930902 - HARTING ELEKTRONIK GMBH [DE]
- [A] DE 202006005177 U1 20060608 - HARTING ELECTRONICS GMBH & CO [DE]

Cited by
EP2680373A1; CN103515768A

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2295690 A2 20110316; EP 2295690 A3 20140528; EP 2295690 B1 20180516; CN 102026509 A 20110420; CN 102026509 B 20140326; DE 102009041371 A1 20110324; JP 2011058630 A 20110324; JP 5156810 B2 20130306; US 2011062034 A1 20110317; US 8257105 B2 20120904

DOCDB simple family (application)
EP 10009098 A 20100902; CN 201010283490 A 20100910; DE 102009041371 A 20090911; JP 2010204722 A 20100913; US 85832610 A 20100817