

Title (en)

Secure locking system and connector comprising such a system

Title (de)

Gesichertes Verriegelungssystem, und mit einem solchen System ausgestatteter Anschluss

Title (fr)

Système de verrouillage sécurisé et connecteur comportant un tel système

Publication

EP 2728677 B1 20151104 (FR)

Application

EP 13191680 A 20131105

Priority

FR 1260545 A 20121106

Abstract (en)

[origin: EP2728677A1] The system has a case (10) provided with housing (33), and a locking ring (20) with a notched wall (22) locked at an end of the case. A spring (31) is housed in the orifice, and a ball (32) is partially installed in the orifice above the spring. The spring, made of a shape-memory material, assumes elastic state to allow movement of the ball in the orifice when environmental temperature is less than or equal to critical temperature of the material or hardened state to prevent movement of the ball when the temperature is greater than the critical temperature. An independent claim is also included for a connector assembly.

IPC 8 full level

H01R 13/639 (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP US)

H01R 13/6276 (2013.01 - EP US); **H01R 13/639** (2013.01 - US); **H01R 2201/26** (2013.01 - EP US); **Y10T 403/21** (2015.01 - EP US)

Cited by

CN111247698A; CN107408774A; RU2679413C1; WO2019042927A1; US10069245B2; US10741962B2; WO2016150429A1

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

DOCDB simple family (publication)

EP 2728677 A1 20140507; **EP 2728677 B1 20151104**; FR 2997800 A1 20140509; FR 2997800 B1 20150130; US 2014127929 A1 20140508; US 9112307 B2 20150818

DOCDB simple family (application)

EP 13191680 A 20131105; FR 1260545 A 20121106; US 201314072820 A 20131106