

Title (en)
SPRING-LOCK CONNECTOR

Title (de)
SCHNAPPSCHLOSSVERBINDER

Title (fr)
CONNECTEUR À RESSORT DE VERROUILLAGE

Publication
EP 3166185 B1 20190306 (EN)

Application
EP 16200193 A 20140916

Priority
• FR 1358887 A 20130916
• FR 1361571 A 20131125
• EP 14766709 A 20140916
• EP 2014069682 W 20140916

Abstract (en)
[origin: WO2015036609A1] The present invention relates to an electrical connector (100), in particular a connector for an airbag squib system for a motor vehicle, able to be coupled to a mating electrical connector (200), said electrical connector (100) comprising: a locking spring (129), essentially relaxed in a delivery position, and moved resiliently during coupling with the mating connector (200), in which the tension of the spring (129) opposes the coupling of the connector (100) with the mating connector (200) such that the connector (100) and the mating connector (200) are separated from each other as long as they are not correctly locked together, characterized in that the locking spring (129) is a formed wire spring. The invention also relates to an assembly comprising such an electrical connector (100) and a mating electrical connector (200).

IPC 8 full level
H01R 13/639 (2006.01); **H01R 13/627** (2006.01); **H01R 13/641** (2006.01)

CPC (source: EP)
H01R 13/6273 (2013.01); **H01R 13/639** (2013.01); **H01R 13/641** (2013.01); **H01R 2201/26** (2013.01)

Cited by
CN112238767A; FR3122949A1; EP3772782A1; CN112332151A; US11489284B2; US11799241B2

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)
WO 2015036609 A1 20150319; CN 105556764 A 20160504; CN 105556764 B 20180309; CN 108110513 A 20180601;
CN 108110513 B 20200915; EP 3047545 A1 20160727; EP 3047545 B1 20180725; EP 3166185 A1 20170510; EP 3166185 B1 20190306

DOCDB simple family (application)
EP 2014069682 W 20140916; CN 201480050858 A 20140916; CN 201810073562 A 20140916; EP 14766709 A 20140916;
EP 16200193 A 20140916