

Title (en)
SPRING-LOCK CONNECTOR

Title (de)
SCHNAPPSCHLOSSVERBINDER

Title (fr)
CONNECTEUR À RESSORT DE VERROUILLAGE

Publication
EP 3166185 A1 20170510 (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)
A squib connector for a safety restraint system of a motor vehicle, which can be coupled to a mating electrical connector (10200) in a coupling direction (10300) comprising: a locking spring (10125) which is relaxed in a delivery state, a loaded state of the spring (10125) acting counter to a coupling of the connector (10100) to the mating connector (10200); and a first position assurance element of the connector (10135), which element can be moved in the coupling direction (10300, 10301) when the connector (10100) is coupled to the mating connector (10200) from a delivery position to the delivery state in order to bring about a loading of the spring (10125) as long as the connector (10100) and the mating connector (10200) are not correctly coupled, the electrical connector (10100) further comprises a second position assurance element of the connector (10150), which element can be moved from a delivery position to the delivery state in a direction (10302) which is different from the coupling direction (10300, 10301).

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)

Citation (applicant)
WO 2012055719 A1 20120503 - FCI AUTOMOTIVE HOLDING [FR], et al

Citation (search report)
• [Y] DE 10202920 A1 20030821 - TYCO ELECTRONICS AMP GMBH [DE]
• [Y] WO 9741623 A1 19971106 - FRAMATOME CONNECTORS INT [FR], et al

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

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EP 2014069682 W 20140916; CN 201480050858 A 20140916; CN 201810073562 A 20140916; EP 14766709 A 20140916;
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