

Title (en)
PLUG CONNECTOR SYSTEM

Title (de)
STECKVERBINDERSYSTEM

Title (fr)
SYSTÈME DE CONNECTEUR ÉLECTRIQUE

Publication
EP 3282521 A3 20180516 (EN)

Application
EP 17186078 A 20170814

Priority
DE 102016215123 A 20160812

Abstract (en)
[origin: EP3282521A2] The present invention provides a plug connector system. According to one aspect, a locking element is provided on the socket housing of the system such that a superior degree of flexibility may be achieved upon mounting and connecting the plug connector system, in particular, in critical applications, such as usage in combination with battery modules. In a further aspect, a socket housing and/or a pin housing of the plug connector system are provided with a resilient prefixing element in order to achieve a preliminary fixation corresponding to a degree of elasticity, thereby allowing tolerances to be taken into consideration. In a further aspect, the plug connector system comprises an assurance having a double function, thereby accomplishing the secondary assurance of contacts and the locking of the housing components on the basis of one single component.

IPC 8 full level
H01R 13/436 (2006.01); **H01R 13/627** (2006.01); **H01R 13/641** (2006.01); **H01R 13/73** (2006.01); **H01R 13/422** (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP)
H01R 13/4362 (2013.01); **H01R 13/6272** (2013.01); **H01R 13/641** (2013.01); **H01R 13/73** (2013.01); **H01R 13/4223** (2013.01); **H01R 13/639** (2013.01)

Citation (search report)

- [XY] US 2010136819 A1 20100603 - MASE TSUYOSHI [JP], et al
- [XY] US 4984998 A 19910115 - DUNCAN FRANK L [US], et al
- [X] US 5641300 A 19970624 - CORRION WESLEY RICHARD [US]
- [Y] US 5947763 A 19990907 - ALAKSIN PAUL H [US]
- [XY] US 6203364 B1 20010320 - CHUPAK JOHN M [US], et al
- [A] WO 2013076961 A1 20130530 - YAZAKI CORP [JP]

Cited by
CN115603119A; CN113196578A; US10910764B2; US2021098930A1; US11515660B2; WO2024077441A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3282521 A2 20180214; EP 3282521 A3 20180516; DE 102016215123 A1 20180215

DOCDB simple family (application)
EP 17186078 A 20170814; DE 102016215123 A 20160812