

Title (en)  
CONNECTOR ASSEMBLY

Title (de)  
STECKERANORDNUNG

Title (fr)  
SYSTÈME DE CONNECTEUR

Publication  
**EP 3396785 B1 20201209 (DE)**

Application  
**EP 17168499 A 20170427**

Priority  
EP 17168499 A 20170427

Abstract (en)  
[origin: US2018316133A1] An electrical connector assembly includes a plug with a plug body having a contact holder portion and an annular locking ring attached to the plug body. An elastic element holds the locking ring in a rest position. The locking ring has a first recess at a first end that creates a guide surface. The assembly also includes a mating connector having a plug-receiving portion configured to receive the contact holder portion of the plug. The plug-receiving portion includes a collar having a projection which, when mating the electrical plug and mating connector, engages the guide surface and rotates the locking ring. The locking ring has a second recess at a second end. The projection and the second recess are in a plane perpendicular to the plug-in axis in fully assembled state. The spring force rotates the locking ring and locks the plug body with the plug-receiving portion.

IPC 8 full level  
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CPC (source: CN EP KR US)  
**H01R 13/04** (2013.01 - KR); **H01R 13/422** (2013.01 - CN); **H01R 13/502** (2013.01 - CN); **H01R 13/625** (2013.01 - EP US); **H01R 13/627** (2013.01 - EP US); **H01R 13/6277** (2013.01 - US); **H01R 13/6278** (2013.01 - US); **H01R 13/635** (2013.01 - US); **H01R 13/639** (2013.01 - CN); **H01R 13/641** (2013.01 - US); **H01R 13/66** (2013.01 - KR); **H01R 13/639** (2013.01 - EP US); **H01R 2201/26** (2013.01 - US)

Designated contracting state (EPC)  
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