

Title (en)
CONNECTOR ASSEMBLY

Title (de)
STECKERANORDNUNG

Title (fr)
SYSTÈME DE CONNECTEUR

Publication
EP 3396785 B1 20201209 (DE)

Application
EP 17168499 A 20170427

Priority
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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
H01R 13/627 (2006.01); **H01R 13/625** (2006.01); **H01R 13/629** (2006.01); **H01R 13/639** (2006.01)

CPC (source: CN EP KR US)
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Designated contracting state (EPC)
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