

Title (en)
CONNECTOR, CONNECTOR ASSEMBLY AND ASSEMBLING METHOD THEREFOR

Title (de)
STECKER, STECKERANORDNUNG UND STECKVERFAHREN

Title (fr)
CONNECTEUR, ASSEMBLAGE DE CONNECTEUR ET PROCÉDÉ DE CONNEXION

Publication
EP 3024097 A1 20160525 (EN)

Application
EP 15003115 A 20151030

Priority
JP 2014234482 A 20141119

Abstract (en)
It is aimed to protect a lock arm without impairing operability in unlocking the lock arm. A connector includes a detecting member 30 configured to be held at an initial position in a state where two housings 10, 40 are incompletely connected and permitted to move to a detection position when the two housings 10, 40 are properly connected, a movable protecting portion 37 provided on the detecting member 30, configured to be normally held in a protecting posture to cover the lock arm 12 and resiliently deflectable to take a pressing posture to apply a pressing force in an unlocking direction to the lock arm 12, and a posture holding portion 45 configured to permit the movable protecting portion 37 to be resiliently deflected to take the pressing posture when the detecting member 30 is at the initial position and hold the movable protecting portion 37 in the protecting posture when the detecting member 30 is at the detection position.

IPC 8 full level
H01R 13/641 (2006.01); **H01R 13/627** (2006.01); **H01R 43/26** (2006.01)

CPC (source: EP)
H01R 13/6272 (2013.01); **H01R 13/641** (2013.01); **H01R 43/26** (2013.01)

Citation (applicant)
JP 2013214495 A 20131017 - SUMITOMO WIRING SYSTEMS

Citation (search report)

- [X] US 5605472 A 19970225 - SAKAI HITOSHI [JP], et al
- [XA] EP 1763114 A1 20070314 - SUMITOMO WIRING SYSTEMS [JP]
- [XA] WO 2014181416 A1 20141113 - SUMITOMO WIRING SYSTEMS [JP]
- [IA] EP 1638175 A2 20060322 - SUMITOMO WIRING SYSTEMS [JP]
- [A] EP 0788193 A2 19970806 - YAZAKI CORP [JP]
- [A] EP 1176676 A2 20020130 - YAZAKI CORP [JP]

Cited by
CN110534969A; CN107666068A

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 3024097 A1 20160525; JP 2016100113 A 20160530

DOCDB simple family (application)
EP 15003115 A 20151030; JP 2014234482 A 20141119