

Title (en)

Connector comprising a housing including an inner housing having a seal portion and assembling method therefor

Title (de)

Steckverbinder mit einem Gehäuse umfassend ein inneres Gehäuse mit einer Dichtungsportion und Montageverfahren dafür

Title (fr)

Connecteur comprenant un boîtier incluant un boîtier interne muni d'une partie étanche et son procédé d'assemblage

Publication

EP 2557635 A1 20130213 (EN)

Application

EP 12005335 A 20120720

Priority

JP 2011175398 A 20110810

Abstract (en)

An object of the present invention is to protect a seal portion provided in a female housing. A connector A includes a female housing 10 and a male housing 30. The female housing 10 has a seal surface 13 (female seal portion) on the outer periphery and includes an inner housing 11 for accommodating a female terminal fitting 19 and an outer housing 20 for holding the inner housing 11 movably back and forth between a protection position where the seal surface 13 is covered over and a protection releasing position where protection for the seal surface 13 is released. The male housing 30 includes a terminal holding portion 31 for holding a male terminal fitting 36, a receptacle 32 projecting from the terminal holding portion 31 and surrounding the outer housing 20 and a seal ring 34 (male seal portion) provided in the terminal holding portion 31 to be held in close contact with the seal surface 13.

IPC 8 full level

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CPC (source: EP)

H01R 13/506 (2013.01); **H01R 13/5219** (2013.01); **H01R 13/44** (2013.01)

Citation (applicant)

- JP 2001283972 A 20011012 - SUMITOMO WIRING SYSTEMS
- JP 2009272253 A 20091119 - SUMITOMO WIRING SYSTEMS

Citation (search report)

- [AD] JP 2009272253 A 20091119 - SUMITOMO WIRING SYSTEMS
- [AD] JP 2001283972 A 20011012 - SUMITOMO WIRING SYSTEMS
- [A] US 2005048820 A1 20050303 - YAMASHITA KAZUNORI [JP]
- [A] EP 0691711 A1 19960110 - GROTE & HARTMANN [DE]

Cited by

FR3012689A1; EP2854233A1; CN114747093A; WO2015063601A1

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

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DOCDB simple family (application)

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