

Title (en)

Sealed electrical connector and seal ring therefor.

Title (de)

Wasserdichter, elektrischer Verbinder und Dichtungsring dafür.

Title (fr)

Connecteur électrique étanche et bague d'étanchéité pour celui-ci.

Publication

**EP 0440417 A1 19910807 (EN)**

Application

**EP 91300658 A 19910129**

Priority

JP 613490 U 19900129

Abstract (en)

A sealed electrical connector comprises a male housing (10) and a female housing (11) with a seal ring disposed in a cavity in the female housing. The seal ring comprises a rubber ring body (1) having projecting ribs (2) on an outer peripheral surface thereof and a plurality of projecting ribs (3) on an inner peripheral surface thereof. Around the circumference of the ring body (1) and projecting thereinto are a plurality of locking grooves (4). The locking grooves (4) are positioned to correspond with a like plurality of latch projections (12) extending upwardly from a bottom wall in the female cavity and in engagement with the seal ring grooves (4). <IMAGE>

IPC 1-7

**H01R 13/52**

IPC 8 full level

**H01R 13/52** (2006.01)

CPC (source: EP)

**H01R 13/5219** (2013.01)

Citation (search report)

- EP 0335721 A2 19891004 - MOLEX INC [US]
- EP 0132099 A2 19850123 - TOKAI ELECTRIC WIRE [JP]
- JP S5614482 A 19810212 - NITTA BELT KK
- GB 2216736 A 19891011 - YAZAKI CORP [JP]

Cited by

FR2784509A1; EP3514890A1; CN103227380A; CN108963557A; IT201800002675A1; EP0585562A1; US5376013A; EP1189312A1; EP0935311A1; US6132250A; CN111480003A; US10873151B2

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0440417 A1 19910807; EP 0440417 B1 19950419**; AU 630270 B2 19921022; AU 7002691 A 19910801; CA 2034963 A1 19910730; CA 2034963 C 19940419; DE 69108943 D1 19950524; JP H0397871 U 19911009

DOCDB simple family (application)

**EP 91300658 A 19910129**; AU 7002691 A 19910129; CA 2034963 A 19910125; DE 69108943 T 19910129; JP 613490 U 19900129