

Title (en)

Electrical connectors and the combination of a series of these connectors and a wire-connecting apparatus.

Title (de)

Elektrischer Verbinder sowie Kombination einer Folge dieser Verbinder und einer Drahtverbindungsanordnung.

Title (fr)

Connecteur électrique et la combinaison d'une série de ces connecteurs et d'un appareil de raccordement de fils électriques.

Publication

**EP 0002113 A1 19790530 (EN)**

Application

**EP 78300556 A 19781027**

Priority

- US 85017177 A 19771110
- US 85058477 A 19771111

Abstract (en)

First and second housing parts (11 and 12) are fixed together in spaced relation with a disc-like contact member (14) having wire gripping slots (54) rotatably mounted between them. The slots have mouths (53) aligned with wire receiving passageways (23, 33) in the first and second housing parts. Tabs (51) on the contact member (14) are locked in recesses (44) in a third housing part (13) rotatably mounted on the first housing part (11) by cooperating ribs (42) and groove (16) and defining a cavity enclosing the second housing part (12) and contact member in a reservoir of sealant. The connector is adapted for operation by a hand tool which rotates the third housing part (13) relative to the first housing part (11) to drive wires inserted in the passageways (23, 33) into the slots.

IPC 1-7

**H01R 7/04**; **H01R 5/12**

IPC 8 full level

**H01R 4/24** (2006.01); **H01R 4/50** (2006.01); **H01R 43/01** (2006.01); **H01R 43/055** (2006.01)

CPC (source: EP)

**H01R 4/2429** (2013.01); **H01R 43/015** (2013.01)

C-Set (source: EP)

**H01R 4/242** + **H01R 43/015**

Citation (search report)

- [A] US 3980380 A 19760914 - CIENIAWA EDWARD A, et al
- [A] FR 2338592 A1 19770812 - AMP INC [US]

Cited by

DE3701274A1; EP0042223A1; FR2618024A1; CN103119787A; EP0105093A1; EP0092953A1; FR2637419A1; FR2633456A1; GB2375237A; US4929190A; EP0572572A4; CN114142319A; WO2012038131A1; WO2010091985A1

Designated contracting state (EPC)

BE DE FR GB NL SE

DOCDB simple family (publication)

**EP 0002113 A1 19790530**; AU 4109078 A 19800501; BR 7807357 A 19790515; BR 7807358 A 19790515; EP 0002111 A1 19790530; ES 474875 A1 19791101; ES 474876 A1 19791101; IT 1100028 B 19850928; IT 1100049 B 19850928; IT 7829328 A0 19781031; IT 7829329 A0 19781031; JP S5475584 A 19790616; JP S5475586 A 19790616

DOCDB simple family (application)

**EP 78300556 A 19781027**; AU 4109078 A 19781026; BR 7807357 A 19781108; BR 7807358 A 19781108; EP 78300553 A 19781027; ES 474875 A 19781107; ES 474876 A 19781107; IT 2932878 A 19781031; IT 2932978 A 19781031; JP 13740678 A 19781109; JP 13740778 A 19781109