

Title (en)

One-piece electrical push-in type connector.

Title (de)

Einstückiger elektrischer Verbinder der einsteckbaren Art.

Title (fr)

Connecteur électrique en une pièce du type enfichable.

Publication

EP 0046042 A1 19820217 (EN)

Application

EP 81303527 A 19810731

Priority

US 17506480 A 19800804

Abstract (en)

A one-piece electrical push-in type connector manufactured from a unitary cut of sheet metal of uniform thickness for general power supply currents. The connector comprises a plurality of push-in contact locations where electrical conductors may be pushed-in in a predetermined direction as particularly determined by a housing receiving the conductor, and safely contacted. Two opposing contact portions are provided at each push-in contact location, of which one contact portion is a spring tongue which, with a conductor being inserted, extends obliquely and abuts the conductor at an acute angle.

IPC 1-7

H01R 4/48

IPC 8 full level

H01R 4/48 (2006.01); **H01R 4/22** (2006.01); **H01R 11/09** (2006.01)

CPC (source: EP KR US)

H01R 4/48 (2013.01 - EP KR); **H01R 4/4821** (2023.08 - EP KR US); **H01R 4/4848** (2023.08 - EP KR US); **H01R 4/22** (2013.01 - EP); **H01R 4/4823** (2023.08 - EP KR US); **H01R 4/485** (2023.08 - EP KR US); **H01R 11/09** (2013.01 - EP)

Citation (search report)

- US 3665373 A 19720523 - VOGLESONGER HARRY M
- US 3967873 A 19760706 - SCHUMACHER WALTER CARL
- US 3916149 A 19751028 - SKINNER CHARLES A
- FR 2414801 A1 19790810 - LABINAL [FR]
- US 3652811 A 19720328 - BARNEY CHARLES AZEL

Cited by

EP0634812A1; EP0849826A3; EP0590756A3; DE20313285U1; DE102004040792B4; WO9935713A1; WO2009007475A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0046042 A1 19820217; BR 8108730 A 19820622; ES 504494 A0 19820516; ES 8204885 A1 19820516; JP S57501152 A 19820701; KR 830006836 A 19831006; WO 8200547 A1 19820218

DOCDB simple family (application)

EP 81303527 A 19810731; BR 8108730 A 19810727; ES 504494 A 19810801; JP 50268981 A 19810727; KR 810002834 A 19810804; US 8101003 W 19810727