

Title (en)

Electric connector for a multiwire heating cable.

Title (de)

Elektrischer Leitungsverbinder für ein mehradriges Heizkabel.

Title (fr)

Connecteur électrique pour un câble de chauffage à plusieurs conducteurs.

Publication

**EP 0427022 B1 19950315 (DE)**

Application

**EP 90119948 A 19901018**

Priority

CH 402589 A 19891108

Abstract (en)

[origin: US5106323A] The electrical wire connector for a multi-conductor, shielded heating cable (3) with a power cable (7) comprises a heating cable connecting section (1) and a power cable connecting section (5) joined permanently together. The heating cable (3) is attached in the heating cable connecting section (1) by means of a lever-like crimping connection (33) and its inner conductor is conductively connected through its surrounding insulation (16) with the electrical contacts (37a, 37b) of the heating cable connecting section (1). In a preferred embodiment, several heating cable and power cable connecting sections can be joined together. The assembly of the heating cable (3) in the heating cable connecting section (1) is simple and safe in operation. This assembly can be performed even by unskilled personnel lacking knowledge in the field of electric power engineering, in particular by heating and sanitary installers, without loss of safety and functional ability.

IPC 1-7

**H01R 13/58**; **H01R 4/50**; **H01R 25/00**

IPC 8 full level

**H01R 4/24** (2006.01); **H01R 4/50** (2006.01); **H05B 3/06** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP US)

**H01R 4/2412** (2013.01 - EP US); **H01R 4/5008** (2013.01 - EP US); **H05B 3/06** (2013.01 - EP US); **H01R 13/58** (2013.01 - EP US)

Cited by

CN105933996A; DE4108901A1; FR2761535A1; WO9844592A1

Designated contracting state (EPC)

AT CH DE FR GB LI NL SE

DOCDB simple family (publication)

**EP 0427022 A1 19910515**; **EP 0427022 B1 19950315**; AT E120044 T1 19950415; CH 680958 A5 19921215; DE 59008708 D1 19950420; US 5106323 A 19920421

DOCDB simple family (application)

**EP 90119948 A 19901018**; AT 90119948 T 19901018; CH 402589 A 19891108; DE 59008708 T 19901018; US 59950590 A 19901018