

Title (en)

Manufacturing device for crimping a metallic, plastic deformable terminal to a cable end

Title (de)

Vorrichtung zur Herstellung einer Quetschverbindung zwischen einem plastisch verformbaren, metallischen Polschuh und einem Kabelende

Title (fr)

Dispositif de mise en oeuvre du sertissage d'un embout métallique à déformation plastique sur une extrémité d'un câble

Publication

EP 0772263 A3 19990127 (DE)

Application

EP 96110880 A 19960705

Priority

DE 19540709 A 19951102

Abstract (en)

[origin: US5704110A] A device for crimping a plastically deforming metal pole shoe (1) around the end (2) of a cable that has been inserted into it. The device comprises an anvil (3), a die (4), a sensor (5), and a comparator (6). The shoe is placed on the anvil and the die is advanced toward it, deforming the shoe. The sensor emits a signal once the shoe has been deformed to the maximum, and the comparator compares the signal with a reference and emits either an "accept" signal or a "reject" signal. The "reject" signal emitted by the comparator actuates a cable-end trimmer that cuts part-way or all the way through the cable. Consequently, the device will always either acceptably crimp pole shoes to the ends of cables or reliably indicate defective connections.

IPC 1-7

H01R 43/048

IPC 8 full level

H01R 43/048 (2006.01)

CPC (source: EP US)

H01R 43/0486 (2013.01 - EP US); **Y10T 29/5143** (2015.01 - EP US); **Y10T 29/515** (2015.01 - EP US); **Y10T 29/5193** (2015.01 - EP US); **Y10T 29/53022** (2015.01 - EP US); **Y10T 29/53235** (2015.01 - EP US)

Citation (search report)

- [Y] EP 0460441 A1 19911211 - AMP INC [US]
- [Y] US 4561155 A 19851231 - RANDAR MAGNUS [US], et al
- [A] US 5168736 A 19921208 - ENNEPER KLAUS [DE], et al
- [A] US 3919758 A 19751118 - STEPAN JIRI

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

US 5704110 A 19980106; AT E205970 T1 20011015; DE 19540709 C1 19970109; DE 59607714 D1 20011025; DK 0772263 T3 20020114; EP 0772263 A2 19970507; EP 0772263 A3 19990127; EP 0772263 B1 20010919; ES 2164809 T3 20020301; PT 772263 E 20020328

DOCDB simple family (application)

US 71216296 A 19960911; AT 96110880 T 19960705; DE 19540709 A 19951102; DE 59607714 T 19960705; DK 96110880 T 19960705; EP 96110880 A 19960705; ES 96110880 T 19960705; PT 96110880 T 19960705