

Title (en)
Variable feed device for a crimping unit

Title (de)
Variable Zuführeinrichtung für ein Crimpaggregat

Title (fr)
Dispositif d'alimentation variable pour un agrégat de sertissage

Publication
EP 2592703 A3 20140115 (DE)

Application
EP 12190772 A 20121031

Priority
DE 202011107870 U 20111114

Abstract (en)
[origin: EP2592703A2] The device (10) has a carriage (13) movable in direction, and another carriage (11) movable in perpendicular direction primarily to the direction. Delivery mechanisms retain and deliver contact element tapes (C1, C2) to a crimping system (1). The delivery mechanisms are connected with the carriages. The crimping system comprises a base body (2) and a crimping tool (5) that is attached to the base body. Contact elements supplied by the element tapes are crimped with a cable end by the tool. Movement of the latter carriage is limited by a stopper (12) or a sensor in the former direction. The crimping tool is designed as a blade guide (6), a blade (7) and anvil (7a). The delivery mechanisms comprise lifting cylinders (20, 30), guide pillar (21), guide carriages (22, 32), spring (23), hinge pins (25, 34), feed fingers (26, 36), brakes (27, 37), guide column (31) and feed finger holder (35).

IPC 8 full level
H01R 43/055 (2006.01)

CPC (source: EP)
H01R 43/055 (2013.01)

Citation (search report)

- [XDY] EP 1898502 A2 20080312 - SCHAEFER WERKZEUG & SONDERMA [DE]
- [XY] DE 202010017139 U1 20110303 - SCHLEUNIGER HOLDING AG [CH]
- [XY] US 2002029472 A1 20020314 - TAKADA KAZUHIKO [JP]
- [XY] EP 0889561 A1 19990107 - KOMAX HOLDING AG [CH]
- [XY] EP 0889560 A1 19990107 - KOMAX HOLDING AG [CH]
- [XY] US 5327644 A 19940712 - TANAKA HIROMI [JP], et al
- [XY] US 4982830 A 19910108 - STRONG MICHAEL D [US], et al
- [XY] DE 102007006213 A1 20080814 - SCHAEFER WERKZEUG & SONDERMA [DE]
- [AD] EP 2169783 A2 20100331 - SCHAEFER WERKZEUG & SONDERMA [DE]

Cited by
CN105431988A; JP2022019919A; EP2738886B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202011107870 U1 20130218; EP 2592703 A2 20130515; EP 2592703 A3 20140115; EP 2592703 B1 20160427; ES 2581479 T3 20160906; PL 2592703 T3 20161031

DOCDB simple family (application)
DE 202011107870 U 20111114; EP 12190772 A 20121031; ES 12190772 T 20121031; PL 12190772 T 20121031