

Title (en)

Device and machine for inserting connection elements into connectors

Title (de)

Vorrichtung und Maschine zum Einfügen von Verbindungselementen in Verbindern

Title (fr)

Dispositif et machine pour brancher des éléments de connexion dans des connecteurs

Publication

EP 0534822 B1 19960103 (FR)

Application

EP 92402541 A 19920916

Priority

FR 9111867 A 19910926

Abstract (en)

[origin: EP0534822A1] The invention relates to a device for plugging in, into connector housings, connection elements equipping the ends of electrical conductors, and an automatic plugging-in machine. The device (5) comprises: - a body (7) which can be moved in the direction of the said connector (4); - an insertion member (8) provided with means for gripping the said connection element (2) to be introduced into the corresponding housing of the connector (4); - means for disconnectably fixing the said insertion member (8) to the said body (7); and - means for controlling the said gripping means, which are associated with the said body (7) and are capable of occupying, when the said insertion member (8) is latched, a first position for which the said gripping means keep hold of the said connection element (2) and enable it to be introduced into the corresponding housing of the connector, and a second position for which the gripping means release the said connection element then plugged in into the housing of the connector. <IMAGE>

IPC 1-7

H01R 43/20

IPC 8 full level

H01R 43/20 (2006.01)

CPC (source: EP US)

H01R 43/20 (2013.01 - EP US); **Y10T 29/5193** (2015.01 - EP US); **Y10T 29/53078** (2015.01 - EP US); **Y10T 29/53091** (2015.01 - EP US); **Y10T 29/53213** (2015.01 - EP US); **Y10T 29/53391** (2015.01 - EP US)

Citation (examination)

- EP 0299897 A1 19890118 - RICARD CLAUDE
- EP 0440955 A1 19910814 - TTC TECH TRADING CO [CH]
- EP 0448116 A1 19910925 - SUMITOMO WIRING SYSTEMS [JP]
- EP 0359686 A1 19900321 - RICARD CLAUDE
- EP 0481901 A1 19920422 - RICARD CLAUDE [FR]

Cited by

US5669135A; US6038763A; EP0650232A1; FR2711855A1; US10446998B2

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

EP 0534822 A1 19930331; **EP 0534822 B1 19960103**; CA 2079081 A1 19930327; DE 69207319 D1 19960215; DE 69207319 T2 19960515; FR 2681987 A1 19930402; FR 2681987 B1 19931217; US 5333374 A 19940802; US 5485660 A 19960123

DOCDB simple family (application)

EP 92402541 A 19920916; CA 2079081 A 19920924; DE 69207319 T 19920916; FR 9111867 A 19910926; US 23111494 A 19940422; US 94562392 A 19920916