

Title (en)
AUTOMATIC SOLDERING MACHINE FOR CHAINS

Publication
EP 0149807 B1 19870304 (DE)

Application
EP 84115646 A 19841217

Priority
DE 3347139 A 19831227

Abstract (en)
[origin: US4569472A] An apparatus for automatically soldering flexible jewelry chains to certain parts such as locks or ornamental members wherein the parts to be soldered to the chain are retained by a retaining device and the chain is disposed on a carrier which is movable toward and away from the retaining device a distance corresponding to the desired length of the chain section to be soldered to the part, the carrier having a gripper for engaging a particular chain link, a chain position sensor arranged next to the gripper so as to sense the position of the link next to the link to be soldered, a control device associated with the position sensor and adapted to correct the carrier position until the correct chain link position is obtained, a cutting mechanism arranged adjacent the gripper for cutting the chain link held by the gripper, and soldering means arranged adjacent the part retaining device for soldering the cut chain link upon movement thereof in abutment with the part to which it is to be soldered.

IPC 1-7
B21L 7/00; **B21L 11/00**

IPC 8 full level
B21L 3/00 (2006.01); **B21L 3/02** (2006.01); **B21L 7/00** (2006.01); **B21L 11/00** (2006.01); **B23K 1/00** (2006.01)

CPC (source: EP KR US)
B21L 3/02 (2013.01 - KR); **B21L 11/005** (2013.01 - EP US)

Cited by
CN103639628A; CN1062492C; CN103358072A; CN104226887A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0149807 A1 19850731; **EP 0149807 B1 19870304**; AT E25602 T1 19870315; DE 3347139 C1 19850801; JP S60158974 A 19850820; KR 850004913 A 19850819; KR 910007129 B1 19910918; US 4569472 A 19860211

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