

Title (en)

ARRANGEMENT, METHOD AND CONTROLLER FOR SUPPLYING A WIRE OR STRIP SHAPED CONSUMABLE

Title (de)

ANORDNUNG, VERFAHREN UND STEUERUNG ZUR ZUFUHR EINES HILFSSTOFFS IN DRAHT- ODER BANDFORM

Title (fr)

INSTALLATION, PROCÉDÉ ET COMMANDE POUR L'AMENÉE D'UN AGENT AUXILIAIRE SOUS FORME DE FIL OU DE BANDE

Publication

EP 2563541 A2 20130306 (DE)

Application

EP 11732413 A 20110706

Priority

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Abstract (en)

[origin: WO2012004313A2] The very compact soldering-strip advancing system processes soldering strips of any desired dimensions with a high degree of reproducibility and reliability in terms of the process. It comprises a permanently pressurized, single-acting pneumatic cylinder, which applies to a soldering strip a prestress required for process analysing purposes and brings about the tearing-off movement with a defined force. All that is additionally required is a controllable double-acting pneumatic cylinder, with which three different movements or positions are realized. This reduction brings about a clear reduction in the complexity of controlling and regulating equipment and a very compact type of construction, which allows a high degree of accessibility to the soldering location and any desired installation positions. The tearing-off length and the length consumed in each soldering operation can be set in a defined manner. A single sensor checks both the correct feeding of the soldering strip and the melting thereof. This serves both for quality control and for the reliability of the process, since it is checked whether the soldering strip is correctly clamped between the workpieces to be soldered before the soldering current is switched on.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2012004313A2

Citation (examination)

US 2849106 A 19580826 - HUNT ROBERT E

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