

Title (en)  
METHOD AND CONTROL DEVICE FOR MONITORING THE QUALITY OF SPOT WELDS OF A RESISTANCE WELDING GUN COMPRISING THE OUTPUTTING OF A WARNING MESSAGE

Title (de)  
VERFAHREN UND STEUERGERÄT ZUM ÜBERWACHEN EINER QUALITÄT VON SCHWEISSPUNKTEN EINER WIDERSTANDSSCHWEISSZANGE MIT AUSGEBEN EINER WARNUNGSMELDUNG

Title (fr)  
PROCÉDÉ ET APPAREIL DE COMMANDE SERVANT À SURVEILLER UNE QUALITÉ DE POINTS DE SOUDURE D'UNE PINCE DE SOUDAGE PAR RÉSISTANCE AVEC ÉMISSION D'UN SIGNAL D'ALARME

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Application  
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Abstract (en)  
[origin: WO2010115524A1] The present invention relates to a method (500) for monitoring and/or regulating the quality of spot welds of a resistance welding gun (100), wherein the method comprises a step of measuring and storing measured values (220, 230) during the execution of resistance spot welds at different points on a workpiece. The measured values (220, 230) represent a voltage, a current, a resistance, a welding time, an energy, a force on welding contacts and/or an output during the production of a resistance spot weld. Furthermore, the method comprises a step of comparing the measured values (220, 230) with a reference measurement value (200), wherein the reference measurement value (200) represents a corresponding voltage, a current, a resistance, a welding time, an energy, a force on welding contacts and/or an output during the production of a corresponding resistance spot weld. Finally, the method comprises a step of outputting a warning message (250) when, during the comparison step, it is established that a predetermined number of successive measured values (230) is outside a predefined tolerance band (210) from the reference measurement value (200).

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