

Title (en)
METHOD AND DEVICE FOR CONTROLLING A POWER SOURCE AND POWER SOURCE HAVING SUCH A DEVICE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER STROMQUELLE SOWIE STROMQUELLE MIT EINER DERARTIGEN VORRICHTUNG

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR RÉGULER UNE SOURCE DE COURANT ET SOURCE DE COURANT POURVUE D'UN TEL DISPOSITIF

Publication
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Application
EP 08716465 A 20080312

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- DE 102007028160 A 20070612

Abstract (en)
[origin: WO2008151681A1] The invention relates to a method for controlling the power source of a welding, cutting or plasma coating system, wherein the power source comprises a measuring part and a controllable clocked power part, and wherein by means of the measuring part a measure value is determined, which constitutes a measure for a characteristic variable of the power part to be controlled, and wherein the measure value is used to control the power part. In order to refine the method such that within a short time a measure can be determined for the characteristic variable to be controlled, it is proposed according to the invention, starting from a predefined initial value, to at least approximately integrate a measurement variable correlating with the characteristic variable of the power part to be controlled over a predefined integration period, the duration of which corresponds to one or more clock periods of the clocked power part, and to determine the measure value from the integration value that is obtained, and to repeat this process continuously. In addition, a device for performing the method and a power source having such a device are proposed.

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B23K 9/09 (2006.01); **B23K 11/25** (2006.01)

CPC (source: EP US)
B23K 9/1043 (2013.01 - EP US)

Citation (search report)
See references of WO 2008151681A1

Citation (examination)

- US 2003071024 A1 20030417 - HSU CHRISTOPHER [US]
- US 2006226131 A1 20061012 - STAVA ELLIOTT K [US], et al

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