

Title (en)
DEVICE FOR PREDICTIVE DIAGNOSIS OF THE CURRENT QUALITY OF TECHNICAL PRODUCTION FROM A TECHNICAL INSTALLATION, PARTICULARLY OF THE CURRENT QUALITY OF WELDING POINTS OF A SPOT WELDING ROBOT

Title (de)
VORRICHTUNG ZUR PRÄDIKTIVEN DIAGNOSE DER AKTUELLEN GÜTE DES TECHNISCHEN ARBEITSERGEBNISSES EINER TECHNISCHEN ANLAGE, INSBESONDERE DER AKTUELLEN GÜTE DER SCHWEISSPUNKTE EINES PUNKTSCHWEISSROBOTERS

Title (fr)
DISPOSITIF POUR LE DIAGNOSTIQUE PREDICTIF DE LA QUALITE ACTUELLE DU RESULTAT DU TRAVAIL TECHNIQUE D'UNE INSTALLATION TECHNIQUE, EN PARTICULIER DE LA QUALITE ACTUELLE DES POINTS DE SOUDURE REALISES PAR UN ROBOT DE SOUDAGE PAR POINTS

Publication
EP 0929374 A1 19990721 (DE)

Application
EP 97910210 A 19970919

Priority
• DE 9702122 W 19970919
• DE 29617200 U 19961002

Abstract (en)
[origin: WO9814300A1] This invention concerns a device (2) for cyclical collection of sets of measurement values some of which influence the desired quality of the production, a model of the installation (12), which models an actual value for the current work quality from the sets of measurement values from the installation (1), and a device (3) to at least parameterize the installation model. This device contains a database (8) for storage of selected sets of measurement values (2) and associated characteristic values (4, 5) which are a measure of the quality of production of the installation (1). Through successive evaluation of the measurement values (2) and of the associated characteristic values, the database generates and/or optimizes the parameters of the installation model through iterative optimization.

IPC 1-7
B23K 11/25; **G05B 13/04**

IPC 8 full level
B23K 11/10 (2006.01); **B23K 11/25** (2006.01); **G01D 1/16** (2006.01); **G01N 37/00** (2006.01); **G05B 13/04** (2006.01); **G05B 17/00** (2006.01); **G07C 3/14** (2006.01)

CPC (source: EP US)
B23K 11/115 (2013.01 - EP US); **B23K 11/314** (2013.01 - EP US); **B23K 31/125** (2013.01 - EP US); **G05B 19/41875** (2013.01 - EP US); **G05B 23/0243** (2013.01 - EP US); **G05B 2219/32018** (2013.01 - EP US); **G05B 2219/32187** (2013.01 - EP US); **G05B 2219/32194** (2013.01 - EP US); **Y02P 90/02** (2015.11 - EP US)

Citation (search report)
See references of WO 9814300A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)
DE 29617200 U1 19971106; EP 0929374 A1 19990721; US 6281465 B1 20010828; WO 9814300 A1 19980409

DOCDB simple family (application)
DE 29617200 U 19961002; DE 9702122 W 19970919; EP 97910210 A 19970919; US 26982999 A 19990602