

Title (en)

METHOD AND SYSTEM FOR CALIBRATING THE TONG PRESSING FORCE OF AN AUTOMATICALLY ACTUATABLE PAIR OF MANUFACTURING TONGS

Title (de)

VERFAHREN UND SYSTEM ZUM KALIBRIEREN DER ZANGENPRESSKRAFT EINER AUTOMATISCH ANSTEUERBAREN FERTIGUNGSZANGE

Title (fr)

PROCÉDÉ D'ÉTALONNAGE DE LA FORCE DE PRESSION D'UNE PINCE DE FABRICATION À COMMANDE AUTOMATIQUE

Publication

EP 3233359 A1 20171025 (DE)

Application

EP 15804525 A 20151203

Priority

- DE 102014226655 A 20141219
- EP 2015078599 W 20151203

Abstract (en)

[origin: WO2016096469A1] The invention relates to a method for calibrating the tong pressing force of an automatically actuatable pair of manufacturing tongs (11), in reverse mode, said tongs comprising two tong halves (14, 16) which are mounted to be adjustable relative to one another and each have a tong tip (13a, 13b), in order to generate a tong pressing force, and said tongs comprising a drive (20) designed to move at least one of the tong halves (14, 16) so as to build a tong pressing force between the two tong tips (13a, 13b), the drive (20) being able to be driven automatically in a position-controlled manner such that a target tong pressing force is actuated by automatically setting a target drive position, associated with said target tong pressing force, for said drive (20) by means of a closing movement of the tong halves (14, 16). The invention also relates to an associated method for automatically actuating a pair of manufacturing tongs (11) in reverse mode, and to a system of a pair of welding tongs, clinching tongs, crimping tongs and/or a gripping tool with a control device (10).

IPC 8 full level

B23K 11/11 (2006.01)

CPC (source: CN EP)

B23K 11/115 (2013.01 - EP); **B23K 11/36** (2013.01 - EP); **B25J 9/1692** (2013.01 - CN EP); **B21D 39/03** (2013.01 - EP); **B23K 11/255** (2013.01 - EP); **B23K 11/311** (2013.01 - EP); **G05B 2219/39024** (2013.01 - CN EP)

Citation (search report)

See references of WO 2016096469A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014226655 A1 20160623; CN 107249829 A 20171013; EP 3233359 A1 20171025; WO 2016096469 A1 20160623

DOCDB simple family (application)

DE 102014226655 A 20141219; CN 201580076449 A 20151203; EP 15804525 A 20151203; EP 2015078599 W 20151203