

Title (en)
METHOD AND APPARATUS FOR MANAGING LASER PROCESS PARAMETERS IN A ROBOTIC LASER CELL

Title (de)
VERFAHREN UND VORRICHTUNG ZUR VERWALTUNG VON LASERPROZESSPARAMETERN IN EINER ROBOTISCHEN LASERZELLE

Title (fr)
PROCÉDÉ ET APPAREIL PERMETTANT DE GÉRER DES PARAMÈTRES DE PROCÉDÉ LASER DANS UNE CELLULE LASER ROBOTISÉE

Publication
EP 3003650 A4 20170125 (EN)

Application
EP 13885471 A 20130528

Priority
CN 2013076314 W 20130528

Abstract (en)
[origin: WO2014190483A1] A method and apparatus for managing laser process parameters in a robotic laser cell (100). The method may comprise displaying, in a teach pendant unit TPU (113) of the robotic laser cell (100), the laser process parameters, wherein the laser process parameters are stored in a table process parameter table at a robot controller (112) of the robotic laser cell (100); and performing an operation on the laser process parameters in the TPU (113). All laser process parameters may be collectively managed in the TPU (113). Thus, task such as setting laser process parameters, which would have been rather difficult, may become an easy job, due to reuse of verified parameters in a parameter table that is created by laser expert or programmer.

IPC 8 full level
B25J 13/06 (2006.01); **B23K 9/095** (2006.01); **B23K 26/08** (2014.01); **G05B 19/4093** (2006.01)

CPC (source: EP)
B23K 26/0884 (2013.01); **G05B 19/40937** (2013.01); **G05B 2219/36283** (2013.01); **G05B 2219/45104** (2013.01); **Y02P 90/02** (2015.11)

Citation (search report)
• [XA] EP 1700667 A1 20060913 - FANUC LTD [JP]
• [X] WO 2010025768 A1 20100311 - ABB TECHNOLOGY AB [SE], et al
• [X] ABB GROUP: "ABB Robotics Laser Cutting Software", 15 May 2009 (2009-05-15), XP055329259, Retrieved from the Internet <URL:https://library.e.abb.com/public/a5aaf96d74f05961c1257a3e004fec97/ABB_Laser_Cutting_Software_Rel2.pdf> [retrieved on 20161214]
• See references of WO 2014190483A1

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

DOCDB simple family (publication)
WO 2014190483 A1 20141204; CN 105163913 A 20151216; CN 105163913 B 20171020; EP 3003650 A1 20160413; EP 3003650 A4 20170125

DOCDB simple family (application)
CN 2013076314 W 20130528; CN 201380076087 A 20130528; EP 13885471 A 20130528