

Title (en)
IMPACT TIGHTENING TOOL

Title (de)
SCHLAGANZUGSWERKZEUG

Title (fr)
OUTIL DE SERRAGE À IMPACT

Publication
EP 2895300 B1 20180404 (EN)

Application
EP 13786144 A 20130521

Priority
• JP 2012201414 A 20120913
• JP 2013003226 W 20130521

Abstract (en)
[origin: WO2014041723A1] An impact tightening tool (1), including a rotating part (2), angular acceleration detection means (3), torque value calculation means (4), and a storage section (5), wherein: the rotating part (2) includes a rotary power source (21), an impact tightening generation mechanism (22), and an output shaft (23); the angular acceleration detection means (3) is configured to detect an angular acceleration value of the rotary power source (21); the torque value calculation means (4) is configured to calculate an actual torque approximate value of the output shaft (23) by using an approximation formula stored in the storage section (5); and the approximation formula stored in the storage section (5) is a formula which correlates an angular acceleration value detected by the angular acceleration detection means (3) at the time of torque transmission to a screw with an actual torque value of the output shaft (23) at the time of torque transmission to the screw, and is a formula based on a torque measured value of the output shaft (23) measured before the torque transmission to the screw.

IPC 8 full level
B25B 21/02 (2006.01); **B25B 23/14** (2006.01); **B25B 23/145** (2006.01); **B25B 23/147** (2006.01)

CPC (source: EP)
B25B 21/02 (2013.01); **B25B 23/1456** (2013.01); **B25B 23/1475** (2013.01)

Cited by
CN109465630A

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 2014041723 A1 20140320; EP 2895300 A1 20150722; EP 2895300 A4 20160608; EP 2895300 B1 20180404; JP 2014054702 A 20140327; JP 5877468 B2 20160308

DOCDB simple family (application)
JP 2013003226 W 20130521; EP 13786144 A 20130521; JP 2012201414 A 20120913