

Title (en)
Method and device for controlling a hydraulically operated power screwdriver

Title (de)
Verfahren und Vorrichtung zum Steuern eines hydraulisch betriebenen Kraftschraubers

Title (fr)
Procédé et dispositif de commande d'une visseuse hydraulique

Publication
EP 2110205 B1 20171108 (DE)

Application
EP 09157357 A 20090406

Priority
DE 102008019765 A 20080418

Abstract (en)
[origin: EP2110205A2] The method involves determining nominal pressure by an electronic evaluation unit (18). A piston-cylinder unit (2) is pressure-loaded to perform a pre-stroke until the nominal pressure is reached and followed by a return stroke. A time interval from the beginning of pressure loading up to the arrival of the nominal or initial pressure after pressure relief, is measured. The pressure loading and measuring steps are repeated. The measured time intervals are compared. Pressure loading cycles are stopped when a last measured time interval is shorter than a penultimate measured time interval. An independent claim is also included for a hydraulically operated power wrench comprising an adjustable pressure valve.

IPC 8 full level
B25B 21/00 (2006.01); **B25B 23/145** (2006.01)

CPC (source: EP US)
B25B 21/005 (2013.01 - EP US); **B25B 23/145** (2013.01 - EP US); **B25B 23/1456** (2013.01 - EP US)

Cited by
CN106425969A; EP3653888A3; CN101776073A; GB2498889A; GB2498889B; AU2010364000B2; EA030037B1; US9193049B2; US10953526B2; WO2011150909A1; WO2012067602A1; WO2017021074A1; US11193508B2; US11572900B2; EP3653888B1

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DE ES FR

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