

Title (en)
SETTING METHOD FOR THREADED CONNECTION BY MEANS OF IMPACT WRENCH

Title (de)
SETZVERFAHREN FÜR SCHRAUBVERBINDUNGEN MITTELS SCHLAGSCHRAUBER

Title (fr)
PROCÉDÉ DE POSE POUR RACCORD À VIS AU MOYEN DE CLÉ À PERCUSSION

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Application
EP 18822091 A 20181220

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Abstract (en)
[origin: WO2019121837A1] The invention relates to a control method of an impact screwdriver for tightening a screw connection, which executes a sequence of consecutive phases in response to an actuation of a button. In a first phase, an impact mechanism of the impact screwdriver repeatedly exerts rotary impacts on the screw connection, wherein the first phase is finished when the estimated transmitted torque exceeds a threshold value that is predefined for the screw connection. In a second phase, a number of rotary impacts that is predefined for the screw connection is exerted on the screw connection. An estimation routine estimates a course of a rotation angle Φ over time. A model is adapted to the course and the predefined number is established based on the adapted model.

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