

Title (en)

METHOD FOR THE FORMING MANUFACTURING OF A GEAR TOOTHING AND TOOL DEVICE FOR THE CALIBRATION OF THE GEAR CUTTING INLET AND/OR GEAR CUTTING OUTLET

Title (de)

VERFAHREN ZUR UMFORMENDEN HERSTELLUNG EINER VERZAHNUNG UND WERKZEUGVORRICHTUNG ZUR KALIBRIERUNG DES VERZAHNUNGSEINLAUFS UND/ODER VERZAHNUNGS AUSLAUFS

Title (fr)

PROCÉDÉ DE FABRICATION PAR FORMAGE D'UNE DENTURE ET DISPOSITIF-OUTIL DE CALIBRAGE DE L'ENTRÉE DE DENTURE ET/OU DE LA SORTIE DE DENTURE

Publication

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Application

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Abstract (en)

[origin: WO2017108319A1] The invention relates to a method for manufacturing a gear toothing (220) on a metal workpiece (200), said gear toothing (220) being manufactured by forming, and the gear toothing (220) manufactured by forming is calibrated on its gear cutting inlet (221) and/or gear cutting outlet (222) by means of a compression process in which the gear tooth shape and also the gear tooth length are adjusted. The invention also relates to a tool device for the forming calibration of the gear cutting inlet (221) and/or gear cutting outlet (222) of a gear toothing (220) on a metal workpiece (200), having: - a workpiece mount; - an axially movable matrix (130), which can be engaged with the gear toothing (220) on the workpiece (200); and - an axially movable compression ring (140), with which the gear toothing inlet (221) and/or the gear toothing outlet (222) can be calibrated on the workpiece (200) by means of a compression process.

IPC 8 full level

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