

Title (en)

METHOD AND MEASURING DEVICE FOR MEASURING OR CALIBRATING UTENSILS IN PRESSING PROCESSES

Title (de)

VERFAHREN SOWIE EINE MESSEINRICHTUNG ZUM AUSMESSEN BZW. KALIBRIEREN VON UTENSILIEN BEI PRESSEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MESURE SERVANT À MESURER OU À ÉTALONNER DES USTENSILES DE PRESSES

Publication

EP 3953164 A1 20220216 (DE)

Application

EP 20706171 A 20200214

Priority

- CH 4752019 A 20190409
- EP 2020053938 W 20200214

Abstract (en)

[origin: WO2020207645A1] In a method for measuring or calibrating utensils, in particular in pressing processes, different dimensions and/or positions of the utensils, such as tools, stamps (16, 17), die units (22), chucks (14, 15, 21) or the like, are determined. A measuring device (10) is provided, with which the utensils are placed relative to one another in the press as in the installed state and are displaceable relative to one another at least in the axial direction (A) of the opening in the die unit (22) forming the die and are measured and/or calibrated individually and relative to one another. The pressed parts and workpieces to be produced using a press can thus be manufactured in a highly precise manner, moreover in high numbers using the same utensils.

IPC 8 full level

B30B 11/00 (2006.01); **B30B 11/02** (2006.01); **B30B 15/00** (2006.01)

CPC (source: CH EP US)

B30B 11/005 (2013.01 - CH EP US); **B30B 11/007** (2013.01 - EP US); **B30B 11/02** (2013.01 - EP US); **B30B 15/0094** (2013.01 - EP US); **G01B 21/00** (2013.01 - CH)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020207645 A1 20201015; CH 716048 A2 20201015; CH 716048 B1 20240215; CN 113853294 A 20211228; EP 3953164 A1 20220216; US 11897220 B2 20240213; US 2022152967 A1 20220519

DOCDB simple family (application)

EP 2020053938 W 20200214; CH 4752019 A 20190409; CN 202080027151 A 20200214; EP 20706171 A 20200214; US 202017594186 A 20200214