

Title (en)  
DEVICE AND METHOD FOR CALIBRATING A SINTERED MOLDED PART

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM KALIBRIEREN EINES SINTERFORMTEILS

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE CALIBRAGE D'UNE PIÈCE MOULÉE FRITTÉE

Publication  
**EP 2131978 B1 20130807 (DE)**

Application  
**EP 08714302 A 20080326**

Priority  
• AT 2008000105 W 20080326  
• AT 2172007 U 20070404

Abstract (en)  
[origin: CA2681745A1] The invention relates to a device (1) for calibrating a sintered molded part (2) having a helical gear (3) by means of a calibration tool (4). Said device (1) comprises a female die (15) that is used for receiving the sintered molded part (2) and has an external gear (23). The device (1) further comprises a male die (8) which is mounted to be vertically movable and axially rotatable and has an external gear (21), and a matrix (14) that is mounted to be axially rotatable and has an internal gear (24). The female die (15) is mounted to be movable exclusively in a vertical direction.

IPC 8 full level  
**B22F 5/08** (2006.01); **B21H 5/02** (2006.01); **B21K 1/30** (2006.01); **B22F 3/03** (2006.01); **B22F 3/16** (2006.01); **B30B 11/02** (2006.01)

CPC (source: EP US)  
**B21H 5/022** (2013.01 - EP US); **B21K 1/30** (2013.01 - EP US); **B22F 3/03** (2013.01 - EP US); **B22F 3/164** (2013.01 - EP US); **B22F 5/08** (2013.01 - EP US); **B30B 11/02** (2013.01 - EP US); **Y10T 29/49476** (2015.01 - EP US); **Y10T 409/109381** (2015.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**AT 9818 U1 20080415**; CA 2681745 A1 20081016; CN 101765471 A 20100630; CN 101765471 B 20130522; EP 2131978 A2 20091216; EP 2131978 B1 20130807; JP 2010523334 A 20100715; US 2010098575 A1 20100422; US 8887394 B2 20141118; WO 2008122062 A2 20081016; WO 2008122062 A3 20100422

DOCDB simple family (application)  
**AT 2172007 U 20070404**; AT 2008000105 W 20080326; CA 2681745 A 20080326; CN 200880015769 A 20080326; EP 08714302 A 20080326; JP 2010501325 A 20080326; US 45056208 A 20080326