

Title (en)

METHOD AND APPARATUS FOR COMPACTING THE SURFACE OF A SINTERED PART

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OBERFLÄCHENVERDICHUNG EINES SINTERTEILS

Title (fr)

PROCÉDÉ ET APPAREIL POUR LA DENSIFICATION DE LA SURFACE D'UNE PIÈCE FRITTÉE

Publication

EP 2066468 B2 20171206 (DE)

Application

EP 07800161 A 20070831

Priority

- AT 2007000416 W 20070831
- AT 14682006 A 20060904

Abstract (en)

[origin: WO2008028207A2] The invention describes a method of compacting the surface of a sintered part (2), in which a sintered part (2) is moved in a die tool (1) along an axis (3) in a pressing direction (20) through a number of die portions (7, 8, 9) from a first die portion (7) at a first die opening (6) to a last die portion (9), wherein a wall area (16) of each die portion (7, 8, 9) forms at least one pressing area (18), against which a contact area (17) that is formed by an outer area (12) of the sintered part (2) is pressed, and an inner contour (25) that lies in a cross section with respect to the axis (3) and is defined by the pressing area (13) corresponds at least approximately to an outer contour (26) that is defined by the contact area (17). During the movement of the sintered part (2), the compacting of the surface takes place from the first die opening (6) to the last die portion (9) through die portions (7, 8, 9) that steadily merge one into the other and through monotonously decreasing inside diameters (19) of the die portions (7, 8, 9), measured between interacting pressing areas (18).

IPC 8 full level

B22F 3/03 (2006.01); **B22F 3/16** (2006.01)

CPC (source: EP US)

B22F 3/03 (2013.01 - EP US); **B22F 3/164** (2013.01 - EP US); **Y10T 29/49467** (2015.01 - EP US); **Y10T 29/49474** (2015.01 - EP US)

Citation (opposition)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008028207 A2 20080313; WO 2008028207 A3 20081106; WO 2008028207 A9 20100930; AT 504081 A1 20080315;
 AT 504081 B1 20081115; CA 2662392 A1 20080313; CN 101557894 A 20091014; CN 101557894 B 20130814; EP 2066468 A2 20090610;
 EP 2066468 B1 20140604; EP 2066468 B2 20171206; JP 2010502834 A 20100128; US 2011132057 A1 20110609; US 8474295 B2 20130702

DOCDB simple family (application)

AT 2007000416 W 20070831; AT 14682006 A 20060904; CA 2662392 A 20070831; CN 200780037321 A 20070831; EP 07800161 A 20070831;
 JP 2009526984 A 20070831; US 31077207 A 20070831