

Title (en)
COMPACTING DEVICE

Title (de)
VERDICHUNGSWERKZEUG

Title (fr)
OUTIL DE COMPACTAGE

Publication
EP 2580010 B1 20161012 (DE)

Application
EP 11740804 A 20110609

Priority
• AT 9472010 A 20100610
• AT 2011000260 W 20110609

Abstract (en)
[origin: WO2011153574A1] The invention relates to a tool for compacting the surface of a powder-metallurgically produced component (2), comprising a female die (1) and a male die (20), a clearance (5) which extends from a first female die opening (6) to a second female die opening (8) being arranged in the female die (1) and having a wall surface (10) for bearing against the component (2), and the male die (20) having a male die length (23) and a male die surface (21), wherein an inside diameter (12) of the clearance (5) in the female die (1) becomes smaller from the first female die opening (6) in the direction of the second female die opening (8) or an outside diameter (22) of the male die (20) becomes greater over the male die length (23), and wherein a compacting element (17) is arranged on the wall surface (10) of the female die (1) or on the male die surface (21). The compacting element (17) is formed with a thread-like profile.

IPC 8 full level
B22F 3/16 (2006.01); **B22F 3/03** (2006.01); **B22F 3/24** (2006.01)

CPC (source: EP US)
B22F 3/03 (2013.01 - EP US); **B22F 3/24** (2013.01 - EP US)

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

DOCDB simple family (publication)
AT 509588 A4 20111015; AT 509588 B1 20111015; BR 112012031447 A2 20161213; CN 103079731 A 20130501; CN 103079731 B 20150624; EP 2580010 A1 20130417; EP 2580010 B1 20161012; US 2013129558 A1 20130523; US 9101980 B2 20150811; WO 2011153574 A1 20111215

DOCDB simple family (application)
AT 9472010 A 20100610; AT 2011000260 W 20110609; BR 112012031447 A 20110609; CN 201180028743 A 20110609; EP 11740804 A 20110609; US 201113702631 A 20110609