

Title (en)
METHOD AND APPARATUS FOR COMPACTING THE SURFACE OF A SINTERED PART

Title (de)
VERFAHREN UND VORRICHTUNG ZUR OBERFLÄCHENVERDICHTUNG EINES SINTERTEILS

Title (fr)
PROCÉDÉ ET APPAREIL POUR LA DENSIFICATION DE LA SURFACE D'UNE PIÈCE FRITTÉE

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Application
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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).

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