

Title (en)

METHOD AND PRESS FOR PRESSING A COMPACT FROM AT LEAST TWO DIFFERENT METAL AND/OR CERAMIC PULVERULENT AND/OR GRANULAR MATERIALS

Title (de)

VERFAHREN UND PRESSE ZUM PRESSEN EINES PRESSKÖRPERS AUS ZUMINDEST ZWEI VERSCHIEDENEN METALLISCHEN UND/ ODER KERAMISCHEN PULVER- UND/ODER GRANULATFÖRMIGEN MATERIALIEN

Title (fr)

PROCÉDÉ ET PRESSE DE COMPRESSION D'UNE PIÈCE CONSTITUÉE D'AU MOINS DEUX MATÉRIAUX MÉTALLIQUES ET/OU CÉRAMIQUES PULVÉRULENTS ET/OU GRANULAIRES DIFFÉRENTS

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Abstract (en)

[origin: WO2013067995A1] The invention relates to a method for pressing a compact (30) from at least two different metal and/or ceramic pulverulent and/or granular materials (p1, p2, p3). A die opening (21) of a die (20) is filled with a first such material (p1) (1; 4). In the die opening (21), at least two top-side plungers (22, 24) are thereupon placed at least temporarily onto the material (p1) (2) and press plungers (22, 23, 24, 25) arranged on the underside and top side are adjusted in a pressing direction to different heights together with material columns located in between (2 - 3). After the top-side press plunger (24, 25) has been withdrawn, the second material (p2) is filled into the die opening (21) (4). As a final step, the material (p1, p2) is finally compacted by way of the at least two top-side plungers (24, 25) (9 - 10).

IPC 8 full level

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