

Title (en)

METHOD AND DEVICE FOR PRESSING A MOLDED PART BY MEANS OF A TRANSVERSAL MALE MOLD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM PRESSEN EINES FORMTEILS MIT EINEM QUERSTEMPEL

Title (fr)

PROCEDE ET DISPOSITIF DE COMPRESSION D'UN ARTICLE MOULE AU MOYEN D'UN POINÇON TRANSVERSAL

Publication

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Application

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Abstract (en)

[origin: US7641827B2] The invention relates to a method for pressing a formed part, in which a ceramic and/or metallic material to be pressed, in particular powdery and/or granulated material (3) is being filled into the die cavity (2) of a die (1), in an axis of compaction (X) with at least one pressing punch (4, 5) the material (3) is being pressed, and in a direction, with a component of movement perpendicular to the first axis of compaction (X), a transverse punch (6) is being moved into the material (3) in a transverse axis (QX), with the movement of the transverse punch (6) being carried out during and/or after pressing of the material (3) in the axis of compaction (X), in particular during and/or after beginning of the compaction operation of the material (3). In particular there is carried out according to the method the actuation of pressing punches in the axis of compaction in such a way, that there act onto the transverse punch in the direction of the axis of compaction on both sides approximately equal forces. For reducing the installation space required at the side of the die, while nevertheless providing forces, which are sufficient for the transverse punch, it is of advantage to use an eccentric drive mechanism.

IPC 8 full level

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