

## Title (en)

Method for adjusting press parameters of a ceramic or metal powder press and ceramic or metal powder press for performing the method

## Title (de)

Verfahren zur Pressparameteranpassung einer Keramik- oder Metallpulverpresse und Keramik- oder Metallpulverpresse zum Durchführen des Verfahrens

## Title (fr)

Procédé d'ajustement des paramètres de pressage d'une presse à poudre céramique ou métallique et presse à poudre céramique ou métallique destinée à l'exécution du procédé

## Publication

**EP 2361758 A3 20140115 (DE)**

## Application

**EP 11001543 A 20110224**

## Priority

DE 102010008986 A 20100224

## Abstract (en)

[origin: EP2361758A2] The method comprises pressing a pressing body to a predetermined pressing body dimension in an opening of a matrix (0) using stamps (7, 8, 17, 18) supported on stamp carriers (1, 2, 3, 4) and made of powder and/or granules, regulating an actuator (29) along a sequence of set-point values for pressing the pressing body during pressing within a pressing cycle, testing an observance of the sequence of the set-point values during the pressing, and performing a readjustment of the actuator during a deviation of the sequence of the set-point values larger than a tolerance value. The method comprises pressing a pressing body to a predetermined pressing body dimension in an opening of a matrix (0) using stamps (7, 8, 17, 18) supported on stamp carriers (1, 2, 3, 4) and made of powder and/or granules, regulating an actuator (29) along a sequence of set-point values for pressing the pressing body during pressing within a pressing cycle, testing an observance of the sequence of the set-point values during the pressing, performing a readjustment of the actuator during a deviation of the sequence of the set-point values larger than a tolerance value, and measuring an interval between a first measuring point on a first fixed stop (20, 21) that supports one of the stamp carriers onto a side of the matrix opening and a second measuring point on a second fixed stop that supports one of the stamp carriers onto an opposite side of the matrix opening for comparing the sequence of the set-point values. During pressing, 5% of the total pressing paths are determined at the last. A position of the front side edges of the first fixed stop turned towards the stamp carrier to be supported, a position of spaced markers on the fixed stops and/or a position of the measuring elements leading away from fixed stop are used as the measuring points. A position on a centrally placed first fixed stop is used as one of the measuring points, where the first fixed stop lies in a force line between the matrix opening and a force introduction area of a pressing drive. The pressing drive such as a main pressing cylinder is readjusted as the actuator. An independent claim is included for a ceramic- or metal powder press.

## IPC 8 full level

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## CPC (source: EP)

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## Citation (search report)

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- [X] US 2010007053 A1 20100114 - YAMAGUCHI YUKIHIRO [JP], et al
- [X] JP H05138399 A 19930601 - YOSHITSUKA SEIKI KK
- [X] US 5043111 A 19910827 - HINZMANN GERD [DE], et al
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- [A] EP 0561159 A1 19930922 - KOMAGE GELLNER MASCHF [DE]

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