

Title (en)

DIE FOR A PRESS AND METHOD FOR PRODUCING A GREEN BODY BY MEANS OF A PRESS

Title (de)

MATRIZE FÜR EINE PRESSE UND VERFAHREN ZUR HERSTELLUNG EINES GRÜNLINGS MIT EINER PRESSE

Title (fr)

MATRICE POUR UNE PRESSE ET PROCÉDÉ PERMETTANT DE FABRIQUER UNE ÉBAUCHE CRUE À L'AIDE D'UNE PRESSE

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Application

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Abstract (en)

[origin: WO2018114502A1] The invention relates to a die (1) for arrangement in a press (2) wherein the die (1) extends along an axial direction (3) between two ends (4, 5) and forms an inner circumferential surface (6) between the ends (4, 5), wherein, starting from the inner circumferential surface (6), the die (1) extends along a radial direction (7) toward an outer circumferential surface (8) and toward at least one centering surface (10) arranged on a first diameter (9) in the radial direction (7); wherein the die (1) has a pressing zone (11) at a distance from the ends (4, 5) and, in the region of the pressing zone (11), has a higher maximum first rigidity, at least as compared with zones (12, 13) arranged at the ends (4, 5), with respect to a pressing force (14) acting on the inner circumferential surface (6) in a direction of a normal vector (32); wherein the maximum first rigidity is at least 10% higher than a minimum second rigidity present in at least one zone (12, 13) arranged at one of the ends (4, 5).

IPC 8 full level

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