

Title (en)
SQUEEZING CAST METAL VIA WEDGE MECHANISM

Title (de)
VERPRESSEN VON GUSSMETALL MITTELS KEILMECHANISMUS

Title (fr)
ÉCRASEMENT DE MÉTAL COULÉ PAR UN MÉCANISME DE BIAIS

Publication
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Abstract (en)
[origin: EP3789134A1] The invention relates to an apparatus (10) for applying a force to a metal component in a casting mold (12), the apparatus (10) comprising: a drive arrangement (14, 14') at least in part movable in a drive direction (D); and a squeeze arrangement (16, 16') at least in part movable in a squeeze direction (S) for applying the force to the metal component in the casting mold (12); wherein the apparatus (10) is configured such that a force can be mechanically transferred from the drive arrangement (14, 14') to the squeeze arrangement (16, 16') via a force deflection mechanism (20, 20'); and wherein the force deflection mechanism (20, 20') is based on a wedge mechanism. The invention also relates to a method and a use of the apparatus.

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