

Title (en)

INJECTION PLUNGER FOR DIE CASTING, AND CASTING METHOD

Title (de)

SPRITZENKOLBEN FÜR DRUCKGUSS UND GUSSVERFAHREN

Title (fr)

PISTON D'INJECTION POUR LE MOULAGE SOUS PRESSION ET PROCEDE DE MOULAGE

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Application

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Abstract (en)

[origin: WO2011030025A1] The invention relates to an injection plunger for die casting, characterized in that the plunger (10) comprises a plunger body (14) and a material injection head (16), at least part of the head (16) being made of a heat-refractive alloy, the heat expansion coefficient of which is less than $6 \cdot 10^{-6} \text{K}^{-1}$ and/or the heat conductivity coefficient of which is greater than 50 W/m.K. The invention also relates to a method for die casting a material using the injection plunger. The invention makes it possible to increase the lifespan of the casting equipment and reduce the production costs of cast parts.

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