

Title (en)

CASTING PLUNGER SYSTEM AND CASTING METHOD FOR A DIE CASTING MACHINE

Title (de)

GIESSKOLBENSYSYSTEM UND GIESSVERFAHREN FÜR EINE DRUCKGIESSMASCHINE

Title (fr)

SYSTÈME DE PISTON DE COULÉE ET PROCÉDÉ DE COULÉE POUR UNE MACHINE À COULER SOUS PRESSION

Publication

**EP 3892399 B1 20240717 (DE)**

Application

**EP 21164291 A 20210323**

Priority

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Abstract (en)

[origin: MX2021004019A] A casting plunger system for a die casting machine includes a stationary system part and a system part which moves relative to the stationary system part in a respective casting cycle for the introduction of melt material into a casting mould. The moved system part has a plunger, a plunger rod and a rod drive unit, and is configured to decelerate at the end of a mould filling phase of the casting cycle under the effect of pressure on the melt material. A casting method for a die casting machine is provided with such a plunger system. The moved system part has a mass which can be adjusted variably between different casting cycles, and/or the moved system part consists of a moved main system part and an additional mass unit which is arranged so as to be movable relative to the main system part and is configured to decelerate, at the end of the mould fill phase of the casting cycle, later by a predefined delay time than the main system part.

IPC 8 full level

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