

Title (en)
DIECASTING NOZZLE AND METHOD FOR OPERATING A DIECASTING NOZZLE

Title (de)
DRUCKGUSSDÜSE UND VERFAHREN ZUM BETRIEB EINER DRUCKGUSSDÜSE SOWIE HEIZELEMENT UND HEIZPATRONE PER SE

Title (fr)
BUSE DE MOULAGE SOUS PRESSION ET PROCÉDÉ DE FONCTIONNEMENT D'UNE BUSE DE MOULAGE SOUS PRESSION

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Application
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Abstract (en)
[origin: WO2013071926A2] Diecasting nozzle for use in a diecasting hot chamber system for metal melts, comprising at least one melt channel (4) in a channel carrier (3) that can be connected to a melt distributor (21), wherein the melt channel (4) goes over into a heating zone (6) and a nozzle tip (8), which is adjoined by a sprue region (10), in which there can form a plug of solidified melt that interrupts a melt flow, wherein the heating zone (6) has a heating cartridge (2) and/or a heatable nozzle shaft (33') and/or the nozzle tip (8) is configured as a heatable nozzle tip (8') and at least the heating cartridge (2), the heatable nozzle shaft (33') or the heatable nozzle tip (8') is configured as a heating element with electrical heating, which has a high power density in at least one subregion and low thermal inertia, configured in such a way that a temperature variation gradient of 20 to 250 K/s, preferably 150 K/s, can be achieved at the surface of the heating element. The invention similarly relates to a method for operating the diecasting nozzle.

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