

Title (en)  
SPRUE SYSTEM FOR A DIECASTING DIE

Title (de)  
ANGUSSYSTEM FÜR EINE DRUCKGIESSFORM

Title (fr)  
SYSTÈME D'INJECTION POUR MOULE DE COULÉE SOUS PRESSION

Publication  
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Application  
**EP 16727989 A 20160602**

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Abstract (en)  
[origin: WO2016193397A1] The invention relates to a sprue system for a diecasting die, which includes at least one runner channel (6), which extends from an entry-side sprue mouth opening to an exit-side sprue opening (7), which opens into a die cavity of the diecasting die, formed between a fixed die half (1) and a movable die half (3), or into a gate region (8) arranged upstream thereof. According to the invention, the runner channel has a geometrically and/or thermally defined parting point region (9) upstream of the sprue opening and downstream of the sprue mouth opening. The runner channel has a bend or kink (9a) in the parting point region and/or a heating device is allocated to a runner channel section between the parting point region and the exit-side sprue opening and/or a heating device is allocated to a runner channel section which connects upstream to the parting point region and which conically tapers toward the parting point region, and/or a region of the movable die half opposite the sprue opening has a cooling channel structure. The invention further relates to use thereof, as a heating channel sprue system for diecasting machines, for example.

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Opponent : Firma Ferrofacta GmbH  
• EP 2782692 B1 20150617 - FERROFACTA GMBH [DE]  
• WO 2013071926 A2 20130523 - FERROFACTA GMBH [DE]  
• DE 10362064 B4 20140724 - GWK GES WÄRME KÄLTETECHNIK MBH [DE]

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