

Title (en)  
PART OF A DIECASTING DIE AND CORRESPONDING DIECASTING DEVICE

Title (de)  
DRUCKGUSSFORMTEIL EINER DRUCKGUSSFORM SOWIE ENTSPRECHENDE DRUCKGUSSEINRICHTUNG

Title (fr)  
PIÈCE D'UN MOULE DE COULÉE SOUS PRESSION ET DISPOSITIF DE COULÉE SOUS PRESSION CORRESPONDANT

Publication  
**EP 2571643 A1 20130327 (DE)**

Application  
**EP 11716960 A 20110504**

Priority  
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• EP 11716960 A 20110504

Abstract (en)  
[origin: EP2388086A1] Die-casting molding part of a die-casting mold comprises at least one pressure zone exhibiting a first component (13), at least a second component and at least one heat-exchanging chamber, through which a fluid flows, formed on the first and second components for controlling the temperature of the pressure zone. The first component exhibits at least one wall of the chamber belonging to a heat-transmitting surface thermally associated with the pressure zone. The second component exhibits at least one fluid-guiding projection projecting into the chamber, and/or a fluid-guiding depression. Die-casting molding part of a die-casting mold comprises: at least one pressure zone exhibiting a first component (13), at least a second component and at least one heat-exchanging chamber, through which a fluid flows, formed on the first and second components for controlling the temperature of the pressure zone. The first component exhibits at least one wall of the heat-exchanging chamber belonging to a heat-transmitting surface thermally associated with the pressure zone, and the pressure zone limits at least one part of a casting inlet. The second component exhibits at least one fluid-guiding projection projecting into the heat-exchanging chamber, and/or a fluid-guiding depression formed opening towards the first component. The fluid-guiding depression forms at least a part of the heat-exchanging chamber, and/or the fluid-guiding projection and/or the fluid-guiding depression form a flow contour surface adapted on the extension of the heat-transmitting surface, where a depression of the first component is at least partially formed on the heat-exchanging chamber. An independent claim is also included for a die-casting device (1) comprising the die-casting molding part.

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