

Title (en)
SEMISOLID DIE-CASTING ALUMINUM ALLOY AND METHOD FOR PREPARING SEMISOLID DIE-CASTING ALUMINUM ALLOY CASTINGS

Title (de)
HALBFESTE DRUCKGUSSALUMINIUMLEGIERUNG UND VERFAHREN ZUR HERSTELLUNG VON GUSSTEILEN AUS HALBFESTER DRUCKGUSSALUMINIUMLEGIERUNG

Title (fr)
ALLIAGE D'ALUMINIUM SEMI-SOLIDE DE COULÉE SOUS PRESSION ET PROCÉDÉ DE PRÉPARATION DE PIÈCES COULÉES EN ALLIAGE D'ALUMINIUM SEMI-SOLIDE DE COULÉE SOUS PRESSION

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EP 17877267 A 20171116

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Abstract (en)
The present disclosure provides a semi-solid die-casting aluminum alloy and a method for preparing a semi-solid die-casting aluminum alloy casting. The semi-solid die-casting aluminum alloy contains alloying elements, inevitable impurities and the balance of aluminum element. Based on the total weight of the semi-solid die-casting aluminum alloy, the alloying elements include: 7.5 to 9.5 wt% of Si, 3.5 to 4.8 wt% of Cu, 0.5 to 0.75 wt% of Mn, 0.01 to 0.5 wt% of Ti and 0.01 to 0.35 wt% of rare earth element.

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