

Title (en)

QUENCH PASSIVATION OF ALUMINUM DIE-CAST PARTS

Title (de)

QUENCHPASSIVIERUNG VON ALUMINIUMDRUCKGUSSTEILEN

Title (fr)

PASSIVATION PAR REFROIDISSEMENT RAPIDE DE PIÈCES EN ALUMINIUM COULÉ SOUS PRESSION

Publication

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Application

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Abstract (en)

[origin: WO2010034553A1] The present invention relates to a method for passivating cast parts made of aluminum and/or alloys of aluminum, wherein the cast part solidified after liquid casting is transferred into a quenching bath having a passivating aqueous composition. The present invention further relates to a method for the anti-corrosion treatment of cast parts made of aluminum and/or alloys of aluminum, wherein the solidified cast part removed from the mold part and having a temperature of more than 300°C is brought into contact with a passivating aqueous composition to quench the cast part, whereupon after machining of the cast part and a subsequent cleaning and degreasing step, a passivating treatment occurs before the cast part is optionally coated with an organic topcoat. The present invention further relates to a cast part made of aluminum and/or alloys of aluminum, said cast part having been subjected to a method according to the invention for passivating and or for anti-corrosion treatment, and the use of such a cast part in a method for applying additional anti-corrosion coatings and/or decorative coating applications.

IPC 8 full level

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