

Title (en)
CASTING COMPONENT, AND METHOD FOR THE APPLICATION OF AN ANTICORROSIVE LAYER

Title (de)
GIESSTECHNISCHES BAUTEIL UND VERFAHREN ZUM AUFBRINGEN EINER KORROSIONSSCHUTZSCHICHT

Title (fr)
ÉLÉMENT FABRIQUÉ POUR LA TECHNIQUE DE COULÉE ET PROCÉDÉ D'APPLICATION D'UNE COUCHE DE PROTECTION CONTRE LA CORROSION

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Application
EP 12729600 A 20120622

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Abstract (en)
[origin: WO2012175668A2] The invention relates to a casting component for a device used to cast a molten metal. Said casting component has a metal main member (2) and a molten metal-contacting surface area (9) which is exposed to the molten metal during the casting process. The invention also relates to a method for applying an anticorrosive layer to a substrate, which can in particular be a casting component. In the casting component of the invention, the metal main member is provided with an anticorrosive layer (3) in the molten metal-contacting surface area, said anticorrosive layer (3) being resistant to the molten metal and being composed of a group of substances consisting of borides, nitrides, and carbides of the transition metals and of the alloys thereof and of boron and silicon, as well as of Al₂O₃, microparticles and/or nanoparticles of one or more substances being used. Use for casting receptacles and other components of aluminum die-casting machines, for example.

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