

Title (en)
HIGH PERFORMING ALUMINIUM COMPONENT WITH A SURFACE COATING SUITABLE FOR THERMAL RADIATION APPLICATIONS

Title (de)
HOCHLEISTUNGS-ALUMINIUMKOMPONENTE MIT EINER FÜR WÄRMESTRAHLUNGSANWENDUNGEN GEEIGNETEN
OBERFLÄCHENBESCHICHTUNG

Title (fr)
COMPOSANT D'ALUMINIUM DE PERFORMANCE ÉLEVÉE AYANT UN REVÊTEMENT DE SURFACE APPROPRIÉ POUR DES APPLICATIONS
DE RAYONNEMENT THERMIQUE

Publication
EP 2994552 A1 20160316 (EN)

Application
EP 14795185 A 20140408

Priority
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Abstract (en)
[origin: WO2014182174A1] High performing aluminium component with a surface coating suitable for thermal radiation applications such as aluminium busbars, other electrical conductors and heat sinks. The coating is a polymer based coating with carbon pigments having an emissivity higher than 0,90. Further the aluminium component is manufactured on the basis of an alloy with one of the following two compositions: Type: EC 6000 EC 1000 Si 0,3 - 0,6 0,15 max Fe 0,1- 0,3 0,30 max Cu 0,01 max 0,01 max Mn 0,005 max 0,010 max Mg 0,3 - 0,6 0,02 max Cr 0,005 max 0,005 max Zn 0,02 max 0,02 max Ti 0,01 max 0,003 max V 0,005 max 0,01 Omax B 0,010 max Others each 0,02 max 0,02 max Others total 0,10 max 0,01 Omax

IPC 8 full level
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CPC (source: EP)
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