

Title (en)  
SUPPRESSION OF STRESS CORROSION CRACKING IN HIGH MAGNESIUM ALLOYS THROUGH THE ADDITION OF CALCIUM

Title (de)  
UNTERDRÜCKUNG VON SPANNUNGSKORROSIONSRISSEN IN LEGIERUNGEN MIT HOHEM MAGNESIUMANTEIL DURCH ZUSATZ VON CALCIUM

Title (fr)  
SUPPRESSION DE LA FISSURATION PAR CORROSION SOUS CONTRAINTE DANS DES ALLIAGES À HAUTE TENEUR EN MAGNÉSIUM PAR L'ADDITION DE CALCIUM

Publication  
**EP 4077754 A1 20221026 (EN)**

Application  
**EP 20838760 A 20201210**

Priority  
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• US 2020064283 W 20201210

Abstract (en)  
[origin: WO2021126665A1] A stress corrosion cracking-resistant aluminum alloy product may include aluminum and a plurality of alloying elements. The plurality of alloying elements may include 3 wt. % to 10 wt. % magnesium and at least one of 0.001 wt. % to 0.1 wt. % calcium. In some embodiments, the plurality of alloying elements may further include 0.001 wt. % to 0.1 wt. % strontium. In some embodiments, the plurality of alloying elements may further include silver.

IPC 8 full level  
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