

Title (en)

AL-MG-SI BASED NEAR-EUTECTIC ALLOY COMPOSITION FOR HIGH STRENGTH AND STIFFNESS APPLICATIONS

Title (de)

ZUSAMMENSETZUNG AUS EINER AL-MG-SI-LEGIERUNG AUF DER BASIS VON NAHEUTEKTISCHER LEGIERUNG FÜR ANWENDUNGEN MIT HOHER FESTIGKEIT UND STEIFIGKEIT

Title (fr)

COMPOSITION D'ALLIAGE QUASI-EUTECTIQUE À BASE DE AL-MG-SI POUR DES APPLICATIONS DE RÉSISTANCE ET DE RIGIDITÉ ÉLEVÉES

Publication

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Application

EP 22834339 A 20220701

Priority

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Abstract (en)

[origin: CN117881808A] Alloy materials and three-dimensional (3D) printed alloys are disclosed. An alloy according to one aspect of the present disclosure includes aluminum, magnesium, and silicon, wherein the composition of the alloy includes at least 5 wt% to 20 wt% silicon and at least 7 wt% to 10 wt% magnesium.

IPC 8 full level

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