

Title (en)  
IMPROVED CASTABLE MAGNESIUM ALLOY

Title (de)  
VERBESSERTE GIESSBARE MAGNESIUMLEGIERUNG

Title (fr)  
ALLIAGE DE MAGNÉSIUM COULABLE AMÉLIORÉ

Publication  
**EP 4384647 A1 20240619 (EN)**

Application  
**EP 22761578 A 20220812**

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Abstract (en)  
[origin: WO2023017280A1] This invention relates to a magnesium alloy comprising: (a) 1.32-1.8 wt% Gd, (b) 2- 3.6 wt% Nd, (c) 0.55-0.7 wt% Zr, (d) 0.20-0.40 wt% Zn, and (d) at least 85 wt% Mg, wherein the ratio of Gd:Nd (wt%) is 0.40-0.63. The invention also relates to an aircraft component comprising the magnesium alloy, as well as a method for producing the magnesium alloy.

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