

Title (en)

Wrought product in the form of a rolled plate and structural part for aircraft in Al-Zn-Cu-Mg alloy

Title (de)

Knetprodukt in Form eines gewalzten Bleches und Strukturbauteil für Flugzeug aus Al-Zn-Cu-Mg-Legierung

Title (fr)

Produit corroyé sous forme de tôle laminée et élément de structure pour aéronef en alliage Al-Zn-Cu-Mg

Publication

EP 1544315 B1 20120822 (FR)

Application

EP 04356196 A 20041215

Priority

US 52959403 P 20031216

Abstract (en)

[origin: EP1544315A1] The product, especially laminated, drawn or forged, is basically an ALZnCuMg alloy with constituents having the following percentage weights: Zn 6.7 - 7.3; Cu 1.9 - 2.5; Mg 1.0 - 2.0; Zr 0.07 - 0.13; Fe less than 0.15; Si less than 0.15; other elements not more than 0.05 to at most 0.15 per cent in total; and aluminum the remainder. The product can be treated by dipping in a solution, hardening, cold rolling or tempering.

IPC 8 full level

C22C 21/10 (2006.01); **C22F 1/053** (2006.01)

CPC (source: EP US)

C22C 21/10 (2013.01 - EP US); **C22F 1/053** (2013.01 - EP US)

Cited by

FR3071513A1; CN114107759A; EP3026136A1; US10301710B2; US9314826B2; US8673209B2; WO2010081889A1; WO2008156532A3; US11072844B2; US8206517B1; US8840737B2; EP3670690A1; WO2020127592A1; WO2019063490A1; WO2019007817A1; US10835942B2; EP4386097A1; WO2024126341A1

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DOCDB simple family (publication)

EP 1544315 A1 20050622; EP 1544315 B1 20120822; ES 2393706 T3 20121227; US 2005150578 A1 20050714

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EP 04356196 A 20041215; ES 04356196 T 20041215; US 1235804 A 20041216