

Title (en)
METAL SHEET MADE OF HIGH-STRENGTH 2XXX ALLOY FOR AN AIRCRAFT FUSELAGE

Title (de)
BLECH AUS HOCHFESTER 2XXX-LEGIERUNG FÜR FLUGZEUGRUMPF

Title (fr)
TOLE EN ALLIAGE 2XXX A HAUTE PERFORMANCE POUR FUSELAGE D'AVION

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Application
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Abstract (en)
[origin: WO2020074818A1] The invention relates to a thin metal sheet which is made of an alloy based on substantially recrystallized aluminum and which has a thickness of 0.25 to 12 mm, the alloy comprising, in percent by weight, Cu 3.4-4.0; Mg 0.5-0.8; Mn 0.1-0.7; Fe \leq 0.15; Si \leq 0.15; Zr \leq 0.04; Ag \leq 0.65; Zn \leq 0.5; inevitable impurities \leq 0.05 each and \leq 0.15 in total, the remainder consisting of aluminum. The invention also relates to a process for manufacturing such a metal sheet and to the use thereof as a fuselage panel or sheet metal for the production of composite products such as fiber metal laminates (FML) for wing or fuselage applications in the aeronautical industry.

IPC 8 full level
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