

Title (en)

PROCESS OF MANUFACTURING A ROLLED AL-CU-LI SHEET WITH IMPROVED FORMABILITY AND CORROSION RESISTANCE

Title (de)

VERFAHREN ZUR UMFORMUNG VON BLECHEN AUS AL-CU-LI-LEGIERUNG FÜR VERBESSERTE FORMBARKEIT UND KORROSIONSBESTÄNDIGKEIT

Title (fr)

PROCÉDÉ DE TRANSFORMATION DE TôLES EN ALLIAGE AL-CU-LI AMÉLIORANT LA FORMABILITÉ ET LA RÉSISTANCE À LA CORROSION

Publication

**EP 2984195 A1 20160217 (FR)**

Application

**EP 14721432 A 20140407**

Priority

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Abstract (en)

[origin: WO2014167191A1] The invention concerns the method for producing a rolled product 0.5 to 10 mm thick made from an aluminium alloy comprising, in particular, copper and lithium, in which, after solution annealing and quenching, a short heat treatment is carried out in which the sheet reaches a temperature of between 145°C and 175°C for 0.1 to 45 minutes, the speed of heating being between 3 and 600 °C/min. The sheet obtained at the end of the method according to the invention has high corrosion resistance and is capable of being shaped for producing a structural element for an aircraft, in particular an aircraft fuselage skin.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014167191A1

Cited by

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