

Title (en)
ALUMINUM-COPPER-LITHIUM ALLOY FOR LOWER SURFACE ELEMENT

Title (de)
ALUMINIUM-KUPFER-LITHIUM-LEGIERUNG FÜR NIEDRIGERES OBERFLÄCHENELEMENT

Title (fr)
ALLIAGE ALUMINIUM-CUIVRE-LITHIUM POUR ELEMENT D'INTRADOS

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EP 2569456 B1 20170906 (FR)

Application
EP 11725129 A 20110511

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Abstract (en)
[origin: US2011278397A1] The present disclosure relates to an alloy containing aluminum including, as a % by weight, 2.1 to 2.4% of Cu, 1.3 to 1.6% of Li, 0.1 to 0.5% of Ag, 0.2 to 0.6% of Mg, 0.05 to 0.15% of Zr, 0.1 to 0.5% of Mn, 0.01 to 0.12% of Ti, optionally at least one element chosen from among Cr, Sc, and Hf, the quantity of the element, if it is chosen, being from 0.05 to 0.3% for Cr and Sc, 0.05 to 0.5% for Hf, a quantity of Fe and Si each less than or equal to 0.1 and inevitable impurities at a rate of less than or equal to 0.05 each and 0.15 in total. The alloy can be used to produce extruded, rolled and/or forged products particularly suitable for the manufacture of elements for the lower wing skin of aircrafts.

IPC 8 full level
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