

Title (en)
ALUMINIUM ALLOY, METHOD OF PRODUCTION OF AN ALUMINIUM-FLATPRODUCT, THE ALUMINIUM-FLATPRODUCT AND ITS USE

Title (de)
ALUMINIUMLEGIERUNG, VERFAHREN ZUR HERSTELLUNG EINES ALUMINIUMFLACHPRODUKTS, ALUMINIUMFLACHPRODUKT UND VERWENDUNG DESSELBEN

Title (fr)
ALLIAGE D'ALUMINIUM, MÉTHODE DE FABRICATION D'UN PRODUIT PLAT D'ALUMINIUM, LE PRODUIT PLAT D'ALUMINIUM ET UTILISATION

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Abstract (en)
[origin: CA3088915A1] The invention relates to an aluminium alloy for superplastic aluminium flat products (46; 56, 56'), wherein the aluminium alloy has the following composition: Si = 0.4 wt. %, Fe = 0.4 wt. %, Cu = 0.1 wt. %, 0.5 wt. % = Mn = 1.0 wt. %, 4.7 wt. % = Mg = 5.5 wt. %, 0.05 wt. % = Cr = 0.25 wt. %, Zn = 0.25 wt. %, Ti = 0.20 wt. %, Na = 2 ppm, individual unavoidable impurities = 0,05 Gew.-%, and total unavoidable impurities = 0,15 Gew.-%, the remainder being aluminium. The invention also relates to a method for producing an aluminium flat product (46; 56, 56'), particularly a superplastic aluminium flat product, in which an aluminium melt (22) is produced from the above-mentioned aluminium alloy, the aluminium melt (22) is cast to form an ingot (24), the ingot (24) is hot-rolled to form a hot strip (40), the hot strip (40) is cold-rolled to form a cold strip (46), and the cold strip (46) is straightened. The invention further relates to an aluminium flat product (46; 56, 56') produced by the method, and to a use thereof.

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Citation (examination)
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