

Title (en)
IMPROVED 5XXX ALUMINUM ALLOYS, AND METHODS FOR PRODUCING THE SAME

Title (de)
VERBESSERTE 5XXX-ALUMINIUMLEGIERUNGEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
ALLIAGES D'ALUMINIUM 5XXX AMÉLIORÉS, ET LEURS PROCÉDÉS DE PRODUCTION

Publication
EP 2633093 A2 20130904 (EN)

Application
EP 11837160 A 20111028

Priority

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- US 40826910 P 20101029
- US 2011058293 W 20111028

Abstract (en)
[origin: WO2012058542A2] Improved 5xxx aluminum alloys having an improved combination of properties are disclosed. The new 5xxx aluminum alloys generally contain 0.50 to 3.25 wt. % Mg, 0.05 to 0.20 wt. % Sc, 0.05 to 0.20 wt. % Zr, up to 0.50 wt. % in total of Cu and Ag, less than 0.10 wt. % Mn, up to 0.30 wt. % in total of Cr, V and Ti, up to 0.50 wt. % in total of Ni and Co, up to 0.25 wt. % Fe, up to 0.25 wt. % Si, up to 0.50 wt. % Zn, and up to 0.10 wt. % of another element, with the total of these other elements not exceeding 0.35 wt. %, the balance being aluminum. The new 5xxx aluminum alloys may be used in high strength electrical conductor products, among others.

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CPC (source: EP US)
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Citation (search report)
See references of WO 2012058542A2

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