

Title (en)

METHOD FOR PRODUCING A HIGH STRENGTH, HIGH TOUGHNESS Al-Zn ALLOY PRODUCT

Title (de)

HERSTELLUNGSVERFAHREN FÜR EIN HOCHFESTES, HOCHZÄHES Al-ZINNLEGIERUNGSPRODUKT

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ALLIAGE DE Al-ZN À HAUTE RÉSISTANCE ET DE GRANDE DURETÉ

Publication

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Application

EP 05802352 A 20051004

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Abstract (en)

[origin: WO2006037648A1] The invention relates to a Al-Zn alloy wrought product, and to a method of manufacturing such a product, with an improved combination of high toughness and high strength by maintaining good corrosion resistance, said alloy including (in weight percent): Zn 6.0--11.0, Cu 1.4-2.2, Mg 1.4-2.4, Zr 0.05-0.15, Ti < 0.05, Hf and/or V < 0.25, and optionally Sc and/or Ce 0.05-0.25, and Mn 0.05-0.12, other elements each less than 0.05 and less than 0.50 in total, balance aluminium, wherein such alloy has an essentially fully unrecrystallized microstructure at least at the position T/10 of the finished product.

IPC 8 full level

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CPC (source: EP)

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