

Title (en)

A WROUGHT ALUMINUM AA7000-SERIES ALLOY PRODUCT AND METHOD OF PRODUCING SAID PRODUCT

Title (de)

EIN GEHÄMMERTES LEGIERUNGSPRODUKT DER ALUMINIUM AA7000-SERIE UND EINE METHODE DES PRODUZIERENS DES BESAGTEN PRODUKTES

Title (fr)

PRODUIT MARTELÉ D'ALLIAGE D'ALUMINIUM AA7000-SERIES ET MÉTHODE DE PRODUIRE LEDIT PRODUIT

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Application

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Abstract (en)

[origin: CA2615852A1] This invention relates to a wrought aluminum AA7000-series alloy product, comprising (in wt %): Zn 7.5 to 14.0, Mg 1.0 to 5.0, Cu < 0.28, Fe < 0.30, Si < 0.25 and one or more of selected from the group consisting of: Zr < 0.30, Ti < 0.30, Hf < 0.30, Mn < 0.80, Cr < 0.40, V < 0.40, and Sc < 0.70, remainder: incidental elements and impurities, each < 0.05, total < 0.15, and balance aluminum, said product having reduced hot crack sensitivity, also having improved strength and toughness properties, and when in artificially aged condition having a hardness of more than 180 HB.

IPC 8 full level

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