

Title (en)

ALUMINUM ALLOY, CAST ARTICLE OF ALUMINUM ALLOY, AND METHOD FOR PRODUCING CAST ARTICLE OF ALUMINUM ALLOY

Title (de)

ALUMINIUMLEGIERUNG, GUSSKÖPRER AUS EINER ALUMINIUMLEGIERUNG UND VERFAHREN ZUR HERSTELLUNG EINES GUSSKÖPRERS AUS EINER ALUMINIUMLEGIERUNG

Title (fr)

ALLIAGE D'ALUMINIUM, ARTICLE MOULE FAIT D'UN ALLIAGE D'ALUMINIUM, ET PROCEDE DE PRODUCTION D'UN ARTICLE MOULE FAIT D'UN ALLIAGE D'ALUMINIUM

Publication

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Application

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Abstract (en)

An aluminum alloy according to the present invention includes from 4.0 to 6.0% Mg, from 0.3 to 0.6% Mn, from 0.5 to 0.9% Fe, and the balance of Al and inevitable impurities when the entirety is taken as 100% by mass. <??>By appropriately selecting the composition range of Mg, Mn and Fe, it has been possible to micro-finely crystallize Al(Mn, Fe) compounds while inhibiting the growth of primary-crystal Al. As a result, the resulting aluminum alloy is good in terms of the castability, and shows high strength as well as high ductility.

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**C22C 21/06**

IPC 8 full level

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