

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

**EP 02762943 A 20020830**

Priority

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- JP 2001267932 A 20010904

Abstract (en)

[origin: EP1477577A1] 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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CPC (source: EP US)

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Citation (search report)

- [X] US 5516374 A 19960514 - HABU TETSUSHI [JP], et al
- [XP] US 6369347 B1 20020409 - ZHAO PIZHI [JP], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 0165, no. 60 (C - 1008) 2 December 1992 (1992-12-02)
- [X] PATENT ABSTRACTS OF JAPAN vol. 0120, no. 82 (C - 481) 15 March 1988 (1988-03-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 0113, no. 69 (C - 461) 2 December 1987 (1987-12-02)
- See references of WO 03023080A1

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EP3040139A1

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