

Title (en)

Method of producing Al alloy with low Ca content and base material for producing Al alloy with low Ca content

Title (de)

Verfahren zur Herstellung von Aluminiumlegierungen mit einem niedrigen Ca-Gehalt und Grundmaterial für die Herstellung von Aluminiumlegierungen mit einem niedrigen Ca-Gehalt

Title (fr)

Procédé de fabrication d'un alliage d'aluminium à faible teneur en Ca et matériau de base pour la fabrication d'un alliage d'aluminium à faible teneur en Ca

Publication

**EP 1469091 A1 20041020 (EN)**

Application

**EP 04007680 A 20040330**

Priority

JP 2003106922 A 20030410

Abstract (en)

To present a method of producing Al alloy with low Ca content capable of reducing Ca securely at low cost, and an Al alloy base metal applicable to such producing method. This is a method of producing Al alloy with low Ca content containing Ca by 0.002 mass % or less. The method comprises a base metal melting step S1 for melting an Al alloy base metal containing Ca by 0.003 mass % or more and containing Mg by 1 mass % or less, a molten metal holding step S2 for reducing the Ca content to 0.002 mass % or less by exposing the surface of molten metal obtained at the base metal melting step S1 to the atmosphere for 20 minutes or more, and a casting step S3 for casting the molten metal into a mold of desired shape. It is preferable that the Al alloy base metal contains Mg by 0.2 mass % or less. It is preferable that the method further comprises a Mg adding step for adding a desired amount of Mg to the molten metal posterior to the molten metal holding step. <IMAGE>

IPC 1-7

**C22C 1/02**

IPC 8 full level

**B22D 1/00** (2006.01); **B22D 21/04** (2006.01); **C22B 9/10** (2006.01); **C22B 21/06** (2006.01); **C22C 1/02** (2006.01); **C22C 21/02** (2006.01)

CPC (source: EP)

**C22C 1/026** (2013.01)

Citation (search report)

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- [XD] PATENT ABSTRACTS OF JAPAN vol. 005, no. 136 (C - 069) 28 August 1981 (1981-08-28)
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 516 (C - 1112) 17 September 1993 (1993-09-17)

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