

Title (en)

METHOD OF OBTAINING ALUMINOSILICON ALLOY CONTAINING 2-22 PER CENT BY WEIGHT OF SILICON.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALUMINOSILIKONLEGIERUNGEN MIT 2-22 GEWICHTSPROZENT SILIZIUM.

Title (fr)

PROCEDE POUR PRODUIRE UN ALLIAGE D'ALUMINO-SILICIUM CONTENANT 2-22 POUR CENT EN POIDS DE SILICIUM.

Publication

EP 0283517 A4 19890206 (DE)

Application

EP 86907017 A 19860929

Priority

SU 8600094 W 19860929

Abstract (en)

[origin: WO8802409A1] The method consists, in its first variant in dissolving a 20-50 mm fraction of crystalline silicon in liquid aluminium at a temperature of 780-820C while continually mixing the ingredients in a reverberatory furnace until obtaining an alumino-silicon melt and while simultaneously introducing, under the level of the melt, a 0,3-1.0 mm fraction of crystalline silicon with a jet of an inert gas. The second variant of the method consists in the joint dissolving of the mentioned fractions of silicon in the liquid aluminium at a temperature of 780-820C while continually mixing the ingredients in the reverberatory furnace, the 0.3-1.0 mm fraction of silicon being pressed together with barium chloride and a flux before dissolving. The alloy may be used in the automobile and tractor industry, as well as for production of consumer goods.

IPC 1-7

C22C 1/02

IPC 8 full level

C22C 1/02 (2006.01); **C22C 21/02** (2006.01)

CPC (source: EP)

C22C 1/026 (2013.01)

Citation (search report)

- [A] GB 2128635 A 19840502 - SKF STEEL ENG AB
- See references of WO 8802409A1

Cited by

FR2814757A1; CN103773978A; US6916356B2; WO0229126A1

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