

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 L'OBTENTION D'UN ALLIAGE D'ALUMINO-SILICIUM CONTENANT 2-22 % EN POIDS DE SILICIUM.

Publication

EP 0283518 A4 19890119 (DE)

Application

EP 86907018 A 19860929

Priority

SU 8600095 W 19860929

Abstract (en)

[origin: WO8802410A1] The method consists in charging in the form of a cone, crystalline silicon on the hearth of a reverberatory furnace, pouring the liquid aluminium into the bath of the furnace at a temperature of 780-820C while continually mixing the aluminosilicon melt by means of a jet formed of the same melt, which is directed to the base of the cone of the charged silicon at a speed of the jet, along its axis, of 0.5-0.8 m/sec; simultaneously with the start of the mixing the temperature of the melt in the bath of the furnace is cooled down to 670-750C and mixing is continued at this temperature. 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 US)

C22C 1/026 (2013.01 - EP US)

Citation (search report)

- [A] US 4053303 A 19771011 - COCHRAN C NORMAN, et al
- [A] GB 2128635 A 19840502 - SKF STEEL ENG AB
- See references of WO 8802410A1

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

WO 8802410 A1 19880407; AU 597926 B2 19900614; AU 6726387 A 19880421; DE 3671473 D1 19900628; EP 0283518 A1 19880928; EP 0283518 A4 19890119; EP 0283518 B1 19900523; IN 169435 B 19911019; JP H01501320 A 19890511; NO 882212 D0 19880520; NO 882212 L 19880520; RO 101828 B1 19920715; US 4808375 A 19890228

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