

Title (en)

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

Publication

**EP 0283517 B1 19920318 (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.

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**C22C 1/02**

IPC 8 full level

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