

Title (en)

Method of refining grains of primary silicon in hypereutectic Al-Si alloys.

Title (de)

Verfahren zur Kornfeinung des primären Siliziums in hypereutektischen Al-Si-Legierungen.

Title (fr)

Procédé pour l'affinage du grain de silicium primaire dans les alliages hypereutectiques Al-Si.

Publication

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Application

EP 85309176 A 19851217

Priority

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Abstract (en)

A method of refining grains of primary silicon of a hypereutectic aluminium-silicon alloy which is cast into an ingot by introducing a melt of the alloy into a casting mold from a holding furnace which accommodates the melt. The method comprises adding a grain-refining agent containing phosphorus continuously to a flow of the melt from the holding furnace to the casting mold through a passage communicating with the furnace and the mold, and thereby refining the grains of the primary silicon upon solidification of the melt in the casting mold.

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Cited by

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