

Title (en)

Process for grain refining aluminium casting alloy, especially aluminium-silicon casting alloys.

Title (de)

Verfahren zur Kornfeinung von Aluminium-Gusslegierungen, insbesondere Aluminium-Silizium-Gusslegierungen.

Title (fr)

Procédé d'affinage du grain d'alliage de coulée à base d'aluminium, en particulier d'alliages de coulée à base d'aluminium-silicium.

Publication

EP 0539328 A1 19930428 (DE)

Application

EP 92810787 A 19921015

Priority

CH 309291 A 19911023

Abstract (en)

For grain refining of aluminium casting alloys, especially aluminium-silicon casting alloys, gallium phosphide and/or indium phosphide is added to the melt, if appropriate in addition to further grain refining additives and/or modifying additives. <??>The addition of gallium phosphide and/or indium phosphide leads to good grain refining with a small tendency to form sink holes, and has no adverse effect on modification processes.

Abstract (de)

Zur Kornfeinung von Aluminium-Gusslegierungen, insbesondere Aluminium-Silizium-Gusslegierungen, wird der Schmelze, gegebenenfalls neben weiteren Kornfeinungs- und/oder Veredelungszusätzen, Galliumphosphid und/oder Indiumphosphid zugesetzt. Die Zugabe von Galliumphosphid und/oder Indiumphosphid führt zu einer guten Kornfeinung bei geringer Lunkerneigung und hat keinen negativen Einfluss auf Veredelungsvorgänge.

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C22C 1/03; **C22C 21/04**

IPC 8 full level

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CPC (source: EP US)

C22C 1/03 (2013.01 - EP US); **C22C 21/04** (2013.01 - EP US)

Citation (search report)

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