

Title (en)

Process for producing alloys.

Title (de)

Verfahren zur Herstellung von Legierungen.

Title (fr)

Procédé pour la fabrication d'alliages.

Publication

EP 0142584 A1 19850529 (EN)

Application

EP 83306976 A 19831115

Priority

EP 83306976 A 19831115

Abstract (en)

A process for producing alloys, particularly iron-base alloys containing magnesium, wherein the alloy constituents are molten under pressure of an inert gas and the melt is rapidly solidified in a chill mold. As a result of this rapid solidification, the magnesium is retained as a fine dispersion or separate phase, allowing a high magnesium recovery rate in the ductile cast irons or compacted graphite cast irons, treated with said alloys. The apparatus for this process consists of a charge vessel (24) for an alloy charge, means (22) for receiving the molten alloy and for rapid solidification of the alloy and means (66) for supplying inert gas under pressure to the vessel.

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IPC 8 full level

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Citation (search report)

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