

Title (en)

PROCESS FOR THE PRODUCTION OF FERROUS ALLOYS WITH IMPROVED MECHANICAL PROPERTIES BY THE USE OF LANTHANUM, AND FERROUS ALLOYS OBTAINED BY THIS PROCESS

Publication

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Application

**EP 79400224 A 19790405**

Priority

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Abstract (en)

[origin: ES479405A1] This invention relates to the use of lanthanum in the production of iron-based alloys. Accordingly, is provided a method comprising adding at least 0.0001 to about 0.5 to 2 weight percent of lanthanum to said iron-based alloy during its production. Thus the solidification curve is modified, as shown in FIG. 2, thereby reducing or preventing certain defects of said alloys, such as pinholes and cavities in spheroidal graphite cast-irons, carbides in flaky graphite grey-iron the castability, rollability and anisotropy of steels are improved.

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