

Title (en)

METHOD FOR REFINING TI-BASED INCLUSIONS IN MARAGING STEEL BY VACUUM ARC REMELTING

Title (de)

VERFAHREN ZUM VERFEINERN VON TI-BASIERTEN EINSCHLÜSSEN IN MARTENSITAUSHÄRTENDEM STAHL DURCH VAKUUMLICHTBOGENUMSCHMELZEN

Title (fr)

PROCEDE D'AFFINAGE D'INCLUSIONS A BASE DE TI DANS DE L'ACIER MARAGING PAR REFUSION A ARC SOUS VIDE

Publication

EP 2980233 B1 20190605 (EN)

Application

EP 14773993 A 20140320

Priority

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Abstract (en)

[origin: EP2980233A1] Provided is a method of producing maraging steel and a method of making Ti-based inclusions finer and making the sizes of Ti-based inclusions that may differ at different locations in the steel ingot more uniform. A method of producing a maraging steel by using vacuum arc remelting that uses a vacuum arc remelting apparatus at least includes a steel ingot production step of producing a steel ingot by melting a consumable electrode made of maraging steel in a crucible of the apparatus, and in this method, the steel ingot production step includes cooling the steel ingot with rare gas introduced between the steel ingot and the crucible.

IPC 8 full level

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