

Title (en)

METHOD FOR DISSOLUTION OF NITROGEN-RICH INCLUSIONS IN TITANIUM AND TITANIUM ALLOYS

Title (de)

VERFAHREN ZUR AUFLÖSUNG VON STICKSTOFFREICHEN EINSCHLÜSSEN IN TITAN UND TITANLEGIERUNGEN

Title (fr)

PROCEDE DE DISSOLUTION D'INCLUSIONS RICHES EN AZOTE DANS DU TITANE ET DES ALLIAGES DE TITANE

Publication

EP 1029094 A1 20000823 (EN)

Application

EP 97947257 A 19971022

Priority

US 9716812 W 19971022

Abstract (en)

[origin: WO9920804A1] It has been discovered that electroslag remelting of titanium metal or alloys under controlled partial pressures of nitrogen, and somewhat oxygen, can dissolve nitrogen-rich inclusions to help eliminate or reduce initiation sites for cracks. The process for the electroslag remelting of titanium and titanium alloys ensures that nitrogen-rich inclusions are dissolved or at least minimized during the melting process.

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C22B 9/18

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CPC (source: EP KR)

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Citation (search report)

See references of WO 9920804A1

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