

Title (en)

HEAT TREATMENT OF ALLOYS HAVING ELEMENTS FOR IMPROVING GRAIN BOUNDARY STRENGTH

Title (de)

VERFAHREN ZUR WÄRMEBEHANDLUNG VON LEGIERUNGEN MIT ELEMENTEN ZUR ERHÖHUNG DER KORNGRENZFESTIGKEIT

Title (fr)

TRAITEMENT THERMIQUE D'ALLIAGES COMPRENANT DES ELEMENTS PERMETTANT D'AMELIORER LA RESISTANCE DES JOINTS DE GRAINS

Publication

EP 1438441 A1 20040721 (EN)

Application

EP 02772392 A 20021023

Priority

EP 0211856 W 20021023

Abstract (en)

[origin: WO2004038056A1] Heat treatment of alloys having elements for improving grain boundary strength. Components directly after castings often reveal a low or no transverse grain boundary strength, so that cracks do appear and decrease the yield rate. The inventive measures does not lead to low transverse grain boundary strength but maintains a efficient grain boundary strength, so that the yield rate of components without cracks is increased.

IPC 1-7

C22F 1/10; **C22C 19/05**

IPC 8 full level

C22C 19/05 (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP)

C22C 19/056 (2013.01); **C22C 19/057** (2013.01); **C22F 1/10** (2013.01)

Citation (search report)

See references of WO 2004038056A1

Cited by

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