

Title (en)  
NICKEL ALLOY

Title (de)  
NICKELLEGIERUNG

Title (fr)  
ALLIAGE A BASE DE NICKEL

Publication  
**EP 2761044 A2 20140806 (FR)**

Application  
**EP 12775775 A 20120927**

Priority  
• FR 1158705 A 20110928  
• FR 2012052187 W 20120927

Abstract (en)  
[origin: WO2013045847A2] The invention relates to a nickel alloy derived from René 125, but with reduced levels of certain elements (Zr, B, P, S, Si and, to a lesser extent, Ti and Hf) in order to limit the appearance of cracks upon solidification in a moulding process. Specifically,  $4.80\% \leq Al \leq 5.00\%$ ,  $1.48\% \leq Hf \leq 1.52\%$ ,  $2.28\% \leq Ti \leq 2.33\%$ ,  $0.005\% \leq B \leq 0.01\%$ ,  $1.77\% \leq Mo \leq 1.97\%$ , and  $Zr \leq 0.007\%$ . Other elements can have levels that match those of René 125.

IPC 8 full level  
**C22C 19/05** (2006.01)

CPC (source: EP US)  
**C22C 19/057** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013045847A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**FR 2980485 A1 20130329; FR 2980485 B1 20140704**; BR 112014007419 A2 20170404; CA 2850238 A1 20130404; CN 103827331 A 20140528; CN 103827331 B 20160511; EP 2761044 A2 20140806; EP 2761044 B1 20150819; JP 2014530299 A 20141117; RU 2014116986 A 20151110; US 2014241936 A1 20140828; WO 2013045847 A2 20130404; WO 2013045847 A3 20131024

DOCDB simple family (application)  
**FR 1158705 A 20110928**; BR 112014007419 A 20120927; CA 2850238 A 20120927; CN 201280047098 A 20120927; EP 12775775 A 20120927; FR 2012052187 W 20120927; JP 2014532452 A 20120927; RU 2014116986 A 20120927; US 201214347440 A 20120927