

Title (en)

CAST IRON ALLOY PROVIDED WITH IMPROVED MECHANICAL AND THERMAL PROPERTIES

Title (de)

GUSSEISENLEGIERUNG MIT VERBESSERTEN MECHANISCHEN UND THERMISCHEN EIGENSCHAFTEN

Title (fr)

ALLIAGE DE FONTE PRÉSENTANT DES PROPRIÉTÉS MÉCANIQUES ET THERMIQUES AMÉLIORÉES

Publication

EP 3394306 B1 20201028 (EN)

Application

EP 15834688 A 20151231

Priority

- TR 201516924 A 20151225
- TR 2015050299 W 20151231

Abstract (en)

[origin: WO2017111720A1] The present invention relates to a process for the production of a cast iron alloy involving enhanced mechanical properties as well as resistance to high temperatures. The present invention more particularly relates to a heat-resistant vermicular or spheroidal graphite cast iron comprising 4.0% to 4.50% by weight Si, 2.70% to 3.10% by weight C, 0.50% to 4.80% by weight Al and 0.10% to 0.50% by weight Mo.

IPC 8 full level

C22C 33/08 (2006.01); **C22C 37/04** (2006.01); **C22C 37/10** (2006.01)

CPC (source: EP)

C22C 33/08 (2013.01); **C22C 37/04** (2013.01); **C22C 37/10** (2013.01)

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)

WO 2017111720 A1 20170629; EP 3394306 A1 20181031; EP 3394306 B1 20201028

DOCDB simple family (application)

TR 2015050299 W 20151231; EP 15834688 A 20151231