

Title (en)

Prediction system for the graphitization index in specific areas of vermicular graphitic cast iron pieces

Title (de)

Methode zur Vorhersage des Anteils an Vermikulargraphit in einem Gussstück

Title (fr)

Méthode de prédiction de la concentration en graphite vermiculaire dans un pièce fondue

Publication

EP 2322671 A1 20110518 (EN)

Application

EP 09380173 A 20091030

Priority

EP 09380173 A 20091030

Abstract (en)

The method for predicting the degree of vermicularity (%) of pieces of vermicular graphite cast iron of the present invention specifically predicts the degree of vermicularity in any specific area of any piece in a cluster of pieces that are simultaneously cast into a mold, in which the treatment of the metal has been carried out by the addition of Ce or Mg (with or without the addition of Ti).

IPC 8 full level

C21C 1/10 (2006.01); **B22D 2/00** (2006.01); **C21C 5/46** (2006.01); **G01N 33/20** (2006.01)

CPC (source: EP)

B22D 2/00 (2013.01); **C21C 1/10** (2013.01); **C21C 5/4673** (2013.01)

Citation (applicant)

- WO 9206809 A1 19920430 - SINTERCAST LTD [GB]
- EP 0327237 A2 19890809 - BRITISH CAST IRON RES ASS [GB]
- WO 9825133 A1 19980611 - SINTERCAST AB [SE], et al
- WO 2007017350 A1 20070215 - WINTER FRITZ EISENGIESSEREI [DE], et al
- US 6544359 B1 20030408 - BAECKERUD LENNART [SE]

Citation (search report)

- [A] US 6354356 B1 20020312 - HIRAOKA HIDETAKA [JP], et al
- [A] US 4667725 A 19870526 - BAECKERUD STIG L [SE]

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2322671 A1 20110518; WO 2011051792 A1 20110505

DOCDB simple family (application)

EP 09380173 A 20091030; IB 2010002766 W 20101029