

Title (en)

AL-NB-B MASTER ALLOY FOR GRAIN REFINING

Title (de)

AL-NB-B-VORLEGIERUNG FÜR KORNFEINEN

Title (fr)

ALLIAGE MÈRE AL-NB-B POUR RAFFINEMENT DU GRAIN

Publication

EP 2885437 A1 20150624 (EN)

Application

EP 13760078 A 20130809

Priority

- GB 201214650 A 20120816
- GB 2013052135 W 20130809

Abstract (en)

[origin: WO2014027184A1] A method of producing a master alloy for refining the grain size of a bulk alloy comprises the step of providing an Al-B alloy and adding Nb in elemental form to form an Al-Nb-B master alloy. The Al-B alloy may be prepared by providing an Al-B alloy with a higher boron content than is required and diluting it with elemental aluminium.

IPC 8 full level

C22C 1/00 (2006.01); **C22C 1/02** (2006.01); **C22C 1/03** (2006.01); **C22C 21/00** (2006.01); **C22C 21/02** (2006.01); **C22C 21/04** (2006.01); **C22C 23/00** (2006.01)

CPC (source: EP US)

C22C 1/00 (2013.01 - EP US); **C22C 1/026** (2013.01 - EP US); **C22C 1/03** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **C22C 21/02** (2013.01 - EP US); **C22C 21/04** (2013.01 - EP US); **C22C 23/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2014027184A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014027184 A1 20140220; CN 104583429 A 20150429; CN 104583429 B 20161109; EP 2885437 A1 20150624; EP 2885437 B1 20190327; GB 201214650 D0 20121003; US 2015218673 A1 20150806

DOCDB simple family (application)

GB 2013052135 W 20130809; CN 201380043494 A 20130809; EP 13760078 A 20130809; GB 201214650 A 20120816; US 201314420540 A 20130809