

Title (en)

BRASS WITH IMPROVED DEZINCIFICATION RESISTANCE AND MACHINABILITY

Title (de)

MESSING MIT VERBESSERTEM ENTZINKUNGSWIDERSTAND UND VERBESSERTER BEARBEITBARKEIT

Title (fr)

LAITON PRÉSENTANT UNE MEILLEURE RÉSISTANCE À LA DÉZINCIFICATION ET UNE MEILLEURE USINABILITÉ

Publication

EP 3099832 A2 20161207 (EN)

Application

EP 15709371 A 20150130

Priority

- SE 1450094 A 20140130
- SE 2015050103 W 20150130

Abstract (en)

[origin: WO2015115989A2] The present invention concerns an essentially arsenic-free brass alloy with improved (i) dezincification resistance, (ii) machinability, and (iii) protection against intergranular grain boundary corrosion, wherein said brass alloy comprises 62-68 % by weight of Cu, 0.02-1.00 % by weight of Pb, 0.2-0.6 % by weight of P, 0.02- 0.06 % by weight of Sb, and balance Zn, and the brass alloy being characterized in that it comprises <5 % of β -phase, preferably <1 %. In addition, the invention concerns a method for the production of said brass alloy.

IPC 8 full level

C22C 9/04 (2006.01)

CPC (source: CN EP KR SE US)

B22D 21/005 (2013.01 - EP KR US); **C22C 1/02** (2013.01 - EP KR US); **C22C 1/03** (2013.01 - CN SE); **C22C 9/04** (2013.01 - CN EP KR SE US); **C22F 1/08** (2013.01 - CN EP KR SE US)

Citation (search report)

See references of WO 2015115989A2

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 2015115989 A2 20150806; WO 2015115989 A3 20150924; AU 2015211433 A1 20160901; BR 112016017682 A2 20170808; CA 2937664 A1 20150806; CN 106170569 A 20161130; EP 3099832 A2 20161207; EP 3099832 B1 20181114; JP 2017508073 A 20170323; JP 6178016 B2 20170809; KR 101802933 B1 20171129; KR 20170005402 A 20170113; MX 2016009812 A 20170228; RU 2016133287 A 20180305; RU 2016133287 A3 20181015; SE 1450094 A1 20150731; SG 11201605577P A 20160830; US 2016340759 A1 20161124

DOCDB simple family (application)

SE 2015050103 W 20150130; AU 2015211433 A 20150130; BR 112016017682 A 20150130; CA 2937664 A 20150130; CN 201580006618 A 20150130; EP 15709371 A 20150130; JP 2016549434 A 20150130; KR 20167022706 A 20150130; MX 2016009812 A 20150130; RU 2016133287 A 20150130; SE 1450094 A 20140130; SG 11201605577P A 20150130; US 201515115084 A 20150130