Title (en)
  LOW-LEAD BRASS ALLOY FOR PLUMBING MEMBER

Title (de)
  BLEIARME MESSINGLEGIERUNG FÜR SANITÄREELEMENT

Title (fr)
  ALLIAGE DE LAITON À FAIBLE TENEUR EN PLOMB POUR ÉLÉMENT DE PLOMBERIE

Publication
  EP 3128020 B1 20190306 (EN)

Application
  EP 15772552 A 20150306

Priority
  • JP 2014059499 W 20140331
  • JP 2015056671 W 20150306

Abstract (en)
  [origin: EP3128020A1] An object of the present invention is to provide a brass alloy, in which the content of Bi is reduced to secure a good recyclability while maintaining the dezincification corrosion resistance required for a member for water works, and which is capable of exhibiting an erosion-corrosion resistance and excellent mechanical properties to be used as a member for water works. This brass alloy contains: 24% by mass or more and 34% by mass or less of Zn; 0.5% by mass or more and 1.7% by mass or less of Sn; 0.4% by mass or more and 1.8% by mass or less of Al; 0.005% by mass or more and 0.2% by mass or less of P; and 0.01% by mass or more and 0.25% by mass or less of Pb; with the balance being copper and an unavoidable impurity(ies). Note, however, that in cases where the above mentioned copper alloy has a content of Sn of less than 1.0% by mass, the contents of Al and Sn in % by mass satisfy the Inequality: Al + 2 × Sn #¥ 2.8.

IPC 8 full level
  C22C 9/04 (2006.01)

CPC (source: EP KR US)
  C22C 9/04 (2013.01 - EP KR US)

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)
  EP 3128020 A1 20170208; **EP 3128020 A4 20170412**; **EP 3128020 B1 20190306**; CN 106103755 A 20161109; JP 6482530 B2 20190313; JP WO2015151720 A1 20170413; KR 102314457 B1 20211019; KR 20160140821 A 20161207; US 2017121791 A1 20170504; WO 2015151720 A1 20151008

DOCDB simple family (application)
  EP 15772552 A 20150306; CN 201580014681 A 20150306; JP 2015056671 W 20150306; JP 2016511487 A 20150306; KR 20167030128 A 20150306; US 201515126085 A 20150306