

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
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Application
EP 15772552 A 20150306

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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: $Al + 2 \times Sn \neq 2.8$.

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