

Title (en)
BRONZE LOW-LEAD ALLOY

Title (de)
BRONZELEGIERUNG MIT GERINGEM BLEIANTEIL

Title (fr)
ALLIAGE DE BRONZE A TETE BASSE

Publication
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Application
EP 06797104 A 20060830

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Abstract (en)
The object of the present invention is to provide a bronze-based alloy of low lead content, first improved in tensile strength at high temperatures, secondly contributing to the promotion of the environmental conservation including recycling, while avoiding the adverse effect of lead on human bodies by means of reduction of a lead content, and excellent from the standpoints of mass-productivity and manufacturing cost. The alloy includes 2.0 to 6.0 mass % of Sn, 3.0 to 10.0 mass % of Zn, 0.1 to 3.0 mass % of Bi, 0.1 mass % < P # 0.6 mass % and the remainder of Cu and unavoidable impurities to improve the tensile strength thereof at high temperatures.

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