

Title (en)

Aluminium bronze alloy, method for manufacturing the same and product made of aluminium bronze

Title (de)

Aluminiumbronzelegierung, Herstellungsverfahren und Produkt aus Aluminiumbronze

Title (fr)

Alliage bronze-aluminium, procédé de fabrication et produit en bronze-aluminium

Publication

EP 2927335 A1 20151007 (DE)

Application

EP 14163339 A 20140403

Priority

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Abstract (en)

[origin: WO2015150245A1] The invention relates to an aluminum bronze alloy with 7.0 - 10.0 % in wt Al; 3.0 - 6.0 % in wt. Fe; 3.0 - 5.0 % in wt. Zn; 3.0 - 5.0 % in wt. Ni; 0.5 - 1.5 % in wt. Sn; ≤ 0.2 % in wt. Si; ≤ 0.1 % in wt. Pb; and the remaining being Cu and unavoidable impurities. The invention also relates to an aluminum bronze product having said alloy composition and to a method for producing said type of product made from an aluminum bronze alloy.

Abstract (de)

Aluminiumbronzelegierung mit 7,0 - 10,0 Gew.-% Al; 3,0 - 6,0 Gew.-% Fe; 3,0 - 5,0 Gew.-% Zn; 3,0 - 5,0 Gew.-% Ni; 0,5 - 1,5 Gew.-% Sn; $\leq 0,2$ Gew.-% Si; $\leq 0,1$ Gew.-% Pb; und Rest Cu nebst unvermeidbaren Verunreinigungen. Beschrieben ist des Weiteren ein Aluminiumbronzeprodukt mit einer solchen Legierungszusammensetzung sowie ein Verfahren zum Herstellen eines solchen Produktes aus einer Aluminiumbronzelegierung.

IPC 8 full level

C22C 21/00 (2006.01)

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B22D 21/005 (2013.01 - EP US); **C22C 9/01** (2013.01 - CN EP KR RU US); **C22F 1/08** (2013.01 - CN EP KR US)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

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