

Title (en)  
ALUMINIUM PLAIN BEARING ALLOY

Title (de)  
ALUMINIUM-GLEITLAGERLEGIERUNG

Title (fr)  
ALLIAGE D'ALUMINIUM POUR PALIERS LISSES

Publication  
**EP 1888798 A1 20080220 (DE)**

Application  
**EP 05756177 A 20050607**

Priority  
EP 2005006091 W 20050607

Abstract (en)  
[origin: WO2006131129A1] The invention relates to a monotectic aluminium plain bearing alloy, comprising 5 to 20 wt. % bismuth, 3 to 20 wt. % zinc, 1 to 4 wt. % copper and additionally several of the components manganese, vanadium, niobium, nickel, molybdenum, cobalt, iron, tungsten, chromium, silver, calcium, scandium, cerium, beryllium, antimony, boron, titanium, carbon and zirconium in amounts up to 5 wt. % and aluminium to make 100 wt. %, produced by strip casting and during the subsequent production process for plain bearings, after rolling or roll-bonding, subjected to a heat treatment at ca. 270 to 400 °C. Long bismuth particles or sheets, produced by rolling or roll-bonding can thus be recoagulated to give finely-distributed spherical drops with a size in the 20 µm range and smaller.

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Citation (search report)  
See references of WO 2006131129A1

Cited by  
CN110730827A; WO2018228640A1

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