

Title (en)
Use of a hardenable copper alloy

Title (de)
Verwendung einer aushärtbaren Kupferlegierung

Title (fr)
Utilisation d'un alliage de cuivre durcissable

Publication
EP 1340564 B1 20070718 (DE)

Application
EP 03001084 A 20030118

Priority
DE 10206597 A 20020215

Abstract (en)
[origin: EP1340564A2] Hardenable copper alloy comprises (in wt.%) 1.2-2.7 cobalt, 0.3-0.7 beryllium, 0.01-0.5 zirconium, 0.005-0.2 magnesium and/or iron, optionally up to maximum 0.15 niobium, tantalum, vanadium, hafnium, chromium, manganese, titanium and/or cerium, and a balance of copper. Preferred Features: The copper alloy contains (in wt.%) 1.8-2.4 cobalt, 0.45-0.65 beryllium, 0.15-0.3 zirconium, up to 0.05 magnesium, up to 0.1 iron and a balance of copper. Up to 80% of the cobalt content is replaced by nickel.

IPC 8 full level
B22D 11/06 (2006.01); **C22C 9/00** (2006.01); **C22C 9/06** (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP KR US)
B22D 11/066 (2013.01 - EP US); **C22C 9/06** (2013.01 - EP KR US)

Cited by
RU2492961C2; WO2009115081A1; DE102014224236A1; WO2016083023A1

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DOCDB simple family (publication)
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