

Title (en)
FORGED BERYLLIUM-COPPER BULK MATERIAL

Title (de)
SCHÜTTGUT AUS GESCHMIEDETEM BERYLLIUMKUPFER

Title (fr)
MATÉRIAU EN VRAC EN CUPROBÉRYLLIUM FORGÉ

Publication
EP 2264199 A4 20150708 (EN)

Application
EP 09725472 A 20090225

Priority
• JP 2009053449 W 20090225
• JP 2008087628 A 20080328

Abstract (en)
[origin: EP2264199A1] The present invention provides a forged beryllium-copper bulk material, wherein the hardness of the central portion is 0 to 10% higher than that of the front surface, the Vickers hardness of the central portion is 240 or more, the tensile strength is 800 N/mm² or more, and the bulk material having uniformity to such an extent that variation in measured values of the tensile strength in arbitrary directions is within 5%.

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

CPC (source: EP US)
C22C 9/00 (2013.01 - EP US); **C22C 9/06** (2013.01 - EP US); **C22F 1/08** (2013.01 - EP US)

Citation (search report)
• [X] EP 1870480 A1 20071226 - NGK INSULATORS LTD [JP]
• [X] EP 1762630 A1 20070314 - NGK INSULATORS LTD [JP]
• [X] SATOSHI OTA ET AL: "Cu-Ni-Be Mechanical and Electrical Properties and Microstructure in Cu-Ni-Be Alloys", JOURNAL OF THE SOCIETY OF MATERIALS SCIENCE THE SOCIETY OF MATERIALS SCIENCE, 1 June 2007 (2007-06-01), pages 531 - 536, XP055190974, Retrieved from the Internet <URL:https://www.jstage.jst.go.jp/article/jsms/56/6/56_6_531/_pdf> [retrieved on 20150521]
• See references of WO 2009119237A1

Cited by
EP2832470A4; US9586256B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2264199 A1 20101222; EP 2264199 A4 20150708; EP 2264199 B1 20161228; CN 101981211 A 20110223; CN 101981211 B 20121212; JP 5416091 B2 20140212; JP WO2009119237 A1 20110721; KR 101467617 B1 20141201; KR 20100134619 A 20101223; US 2010329923 A1 20101230; WO 2009119237 A1 20091001

DOCDB simple family (application)
EP 09725472 A 20090225; CN 200980111010 A 20090225; JP 2009053449 W 20090225; JP 2010505469 A 20090225; KR 20107021629 A 20090225; US 88042910 A 20100913