

Title (en)
Water-guiding component

Title (de)
Wasserführendes Bauteil

Title (fr)
Composant pour conduite d'eau

Publication
EP 2290114 A1 20110302 (DE)

Application
EP 09010054 A 20090804

Priority
EP 09010054 A 20090804

Abstract (en)
The water-conducting component comprises a base body produced by casting, where the base body is made of alloys having tin (4.0-6.0 wt.%), zinc (4.0-6.0 wt.%), lead (less than 0.1 wt.%), nickel (less than 0.1 wt.%), phosphorous (less than 0.04 wt.%), iron (less than 0.3 wt.%), sulfur (less than 0.04 wt.%), antimony (less than 0.1 wt.%) and copper as residue and unavoidable impurities (less than 0.02 wt.%).

Abstract (de)
Die vorliegende Erfindung betrifft ein wasserführendes Bauteil mit einem mittels Gießen hergestellten Grundkörper. Erfindungsgemäß hat der Grundkörper folgende Zusammensetzung (in Gew.-%): 4,0 # Sn # 6,0 % 4,0 # Zn # 6,0 % Pb < 0,1 %, Ni < 0,1 %, P < 0,04 %, Fe < 0,3 %, S < 0,04 %, Sb < 0,1 % und als Rest Kupfer und unvermeidbare Verunreinigungen.

IPC 8 full level
C22C 9/02 (2006.01); **C22C 9/04** (2006.01)

CPC (source: EP)
C22C 9/02 (2013.01); **C22C 9/04** (2013.01)

Citation (applicant)
• EP 1045041 A1 20001018 - SAMBO COPPER ALLOY CO LTD [JP]
• GB 1443090 A 19760721 - ANACONDA CO
• GB 1385411 A 19750226 - TOYO VALVE CO LTD
• EP 0798298 A1 19971001 - SANKYO CO [JP]
• EP 1817438 A1 20070815 - KEMPER GEBR GMBH & CO KG [DE], et al
• CH 148195 A 19310715 - HIRSCH KUPFER & MESSINGWERKE [DE]
• US 2004234412 A1 20041125 - OISHI KEIICHIRO [JP], et al
• DE 585002 C 19330927 - HIRSCH KUPFER & MESSINGWERKE
• DE 4324008 A1 19950119 - KABELMETAL AG [DE]
• WO 9424325 A1 19941027 - IDEAL STANDARD [DE]

Citation (search report)
[X] JP H09111376 A 19970428 - MAEZAWA KUSO KOGYO, et al & DATABASE WPI Week 199727, Derwent World Patents Index; AN 1997-295348

Cited by
DE102012013817A1; DE102018004702A1; CN115679149A; WO2014008969A1; EP3581667A2

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 SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2290114 A1 20110302

DOCDB simple family (application)
EP 09010054 A 20090804