Title (en)

Corrosion resistant brass alloy for parts suitable for use in drinking water service

Title (de)

Korrosionsbeständige Messinglegierung für Trinkwasserformteile

Title (fr)

Alliage de laiton résistant à la corrosion pour pièces en contact avec l'eau potable

Publication

EP 1439238 A1 20040721 (DE)

Application

EP 04000423 A 20040112

Priority

DE 10301552 A 20030116

Abstract (en)

Use of a brass alloy for corrosion resistant drinking water molded parts is new. The alloy contains (in wt.%) 63.1-63.9 Cu, 0.5-1.1 Pb, 0.01-0.06 Fe, 0.01-0.1 Mn, 0.01-0.1 Ni, 0.001-0.02 Si, 0.001-0.005 Cr, 0.001-0.05 Al, 0.006-0.08 As, 0.005-0.08 Bi, 0.001-0.005 P, 0.001-0.05 Sb, 0.001-0.005 S, 0.001-0.01 Te, 0.001-0.02 Cd, 0.001-0.02 Se, 0.001-0.02 Ag, 0.05-0.3 Sn, 0-0.1 Be, B, Co, Mg, Ti and Zr, and a balance of Zn.

Abstract (de)

Messinglegierung als Werkstoff für korrosionsfeste Trinkwasserformteile für Trinkwasser- und Installationsanwendungen.

IPC 1-7

C22C 9/04

IPC 8 full level

C22C 9/04 (2006.01)

CPC (source: EP)

C22C 9/04 (2013.01)

Citation (applicant)

- DE 4438485 C2 19980520 - WIELAND WERKE AG [DE]
- EP 0506995 A1 19921007 - TOYO BRASS [JP]

Citation (search report)

- [A] EP 1273671 A1 20030108 - DIEHL METALL STIFTUNG & CO KG [DE]
- [A] EP 0663452 A2 19950719 - KITZ CORP [JP]
- [A] EP 0506995 A1 19921007 - TOYO BRASS [JP]
- [X] "Copper and Copper Alloys Compositions, Applications and Properties", February 1998, COPPER DEVELOPMENT ASSOCIATION, XP002277293

Cited by

CN104087782A; CN102560190A; CN111101017A; CN103725919A; CN104087781A; CN103469004A; CN104722901A; CN105400987A; CN102477498A; DE102013003817A1; CN103509967A; CN110117736A; US9263609B2; WO2007134843A3; WO2014135180A1; WO2014135181A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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