

Title (en)

Parts made from copper alloy with low migration for conduits conveying fluids or drinking water

Title (de)

Migrationsarme Bauteile aus Kupferlegierung für Medien oder Trinkwasser führender Gewerke

Title (fr)

Produits à faible migration pour le transport de fluides et de l'eau potable fabriqués à partir d'alliages de cuivre

Publication

EP 1801250 A1 20070627 (DE)

Application

EP 05028153 A 20051222

Priority

EP 05028153 A 20051222

Abstract (en)

Production of components for conveying media and drinking water comprises extruding a billet or strand made from a copper alloy and cold and/or hot deforming. The alloy contains 2-4.5 wt.% silicon, 1-17 wt.% zinc, 0.05-2 wt.% manganese and a balance of copper. An independent claim is also included for components produced using the above method.

IPC 8 full level

C22C 9/04 (2006.01)

CPC (source: EP US)

B21C 23/085 (2013.01 - EP US); **B21C 37/08** (2013.01 - EP US); **B21D 53/00** (2013.01 - EP US); **B21J 5/02** (2013.01 - EP US); **C22C 9/04** (2013.01 - EP US)

Citation (applicant)

EP 1045041 A1 20001018 - SAMBO COPPER ALLOY CO LTD [JP]

Citation (search report)

- [Y] CH 148195 A 19310715 - HIRSCH KUPFER & MESSINGWERKE [DE]
- [Y] DE 721917 C 19420623 - VER DEUTSCHE METALLWERKE AG
- [A] EP 0906800 A1 19990407 - SCHAEFER HYDROFORMING GMBH [DE]
- [Y] K. DIES: "Kupfer und Kupferlegierungen in der Technik", 1967, SPRINGER VERLAG, BERLIN/HEIDELBERG/NEW YORK, XP002385321, 82106
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 04 31 March 1998 (1998-03-31)

Citation (third parties)

Third party : i. V Or. Roland Riemer

DE 10308778 B3 20040812 - WIELAND WERKE AG [DE]

Third party : i. V. Dr. Roland Riemer

• DE 10308778 B3 20040812 - WIELAND WERKE AG [DE]

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Third party :

MEYER E.: "Trinkwasser im Kontakt mit Rohrwerkstoffen - neue anforderungen im europäischen kontext", IWW, 27 January 1987 (1987-01-27) - 28 January 1987 (1987-01-28), pages 103 - 143, XP003025369

Cited by

DE102018004702A1; DE102012013817A1; EP2366929A1; EP3581667A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1801250 A1 20070627; **EP 1801250 B1 20171108**; ES 2651345 T3 20180125; JP 2007169790 A 20070705; JP 5330645 B2 20131030; PL 1801250 T3 20180228; US 2007158004 A1 20070712

DOCDB simple family (application)

EP 05028153 A 20051222; ES 05028153 T 20051222; JP 2006345330 A 20061222; PL 05028153 T 20051222; US 64492806 A 20061221