

Title (en)
COMPONENT FOR MEDIA-CONDUCTING GAS OR WATER LINES COMPRISING A COPPER ALLOY

Title (de)
BAUTEIL FÜR MEDIENFÜHRENDE GAS- ODER WASSERLEITUNGEN, DAS EINE KUPFERLEGIERUNG ENTHÄLT

Title (fr)
COMPOSANT POUR DES CANALISATIONS D'EAU OU DE GAZ ACHEMINANT DES MILIEUX COMPRENANT UN ALLIAGE DE CUIVRE

Publication
EP 3225707 A1 20171004 (DE)

Application
EP 17151949 A 20170118

Priority
DE 202016101661 U 20160329

Abstract (en)
[origin: WO2017167441A2] The present invention relates to a component for media-conducting gas or water lines, in particular a fitting for supply lines of drinking water, wherein the component is at least partially made of a lead-free copper alloy which has the following alloy components in wt. %: 3.5 wt.% \leq Sn \leq 4.8 wt.%; 1.5 wt.% \leq Zn \leq 3.5 wt.%; 0.25 wt.% \leq S \leq 0.65 wt.%; 0.015 wt.% \leq P \leq 0.1 wt.%; and unavoidable impurities, with the rest being copper.

Abstract (de)
Die vorliegende Erfindung bezieht sich auf ein Bauteil für medienführende Gas- oder Wasserleitungen, insbesondere Fitting oder Armatur für Trinkwasserleitungen, wobei das Bauteil zumindest teilweise aus einer bleifreien Kupferlegierung besteht, die die folgenden Legierungskomponenten in Gew.-% aufweist: 3,5 Gew.-% \leq Sn \leq 4,8 Gew.-%; 1,5 Gew.-% \leq Zn \leq 3,5 Gew.-%; 0,25 Gew.-% \leq S \leq 0,65 Gew.-%; 0,015 Gew.-% \leq P \leq 0,1 Gew.-%; unvermeidbare Verunreinigungen sowie zum Rest Kupfer.

IPC 8 full level
C22C 9/02 (2006.01)

CPC (source: EP RU)
C22C 9/02 (2013.01 - EP RU); **C22C 9/04** (2013.01 - RU); **E03B 7/00** (2013.01 - RU)

Citation (applicant)

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- TURNER, THE INFLUENCE OF WATER COMPOSITION ON THE DEZINCIFICATION OF DUPLEX BRASS FITTINGS, 1965
- UNTERSUCHUNGEN VON ENTZINKUNGSERSCHINUNGEN AN FITTINGS AUS KUPFERLEGIERUNGEN, 1966
- THE INFLUENCE OF WATER COMPOSITION ON THE DEZINCIFICATION OF DUPLEX BRASS FITTINGS, 1965

Citation (search report)

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- [A] MARUYAMA TORU ET AL: "Casting structure, mechanical properties and machinability with changes in amount of alloyed elements of sulfide dispersed lead free bronze castings", CHUZO KOGAKU - JOURNAL OF JAPAN FOUNDRY ENGINEERING SOC, NIHON CHUZO KOGAKUKAI, TOKYO, JP, vol. 81, no. 12, 1 January 2009 (2009-01-01), pages 667 - 673, XP009179259, ISSN: 1342-0429
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US2022016693A1; DE102018004702A1; EP3581667A3; EP4411009A1; DE102023000334A1; EP3581667A2

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Designated extension state (EPC)
BA ME

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