

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.-%  $\#$  Sn  $\#$  4,8 Gew.-%; 1,5 Gew.-%  $\#$  Zn  $\#$  3,5 Gew.-%; 0,25 Gew.-%  $\#$  S  $\#$  0,65 Gew.-%; 0,015 Gew.-%  $\#$  P  $\#$  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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- US 8470101 B2 20130625 - KOBAYASHI TAKESHI [JP], et al
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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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US2022016693A1; DE102018004702A1; EP3581667A3; EP4411009A1; DE102023000334A1; EP3581667A2

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Designated extension state (EPC)  
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