

Title (en)  
COPPER-TIN CONTINUOUS CASTING ALLOY

Title (de)  
KUPFER-ZINN-STRANGGUSSLEGIERUNG

Title (fr)  
ALLIAGE DE COULÉE CONTINUE À BASE DE CUIVRE ET D'ÉTAIN

Publication  
**EP 4271846 A1 20231108 (DE)**

Application  
**EP 22723679 A 20220421**

Priority  
• DE 102021110306 A 20210422  
• EP 2022060544 W 20220421

Abstract (en)  
[origin: WO2022223687A1] The invention relates to a copper-tin continuous casting alloy, in particular for manufacturing machine parts or transmission parts, more particularly gears, worm gears, cylinder liners or linear guide parts, or for the manufacture of fitting parts for carrying fluids. The alloy contains 9.0 - 15.0 wt.% of tin, 0.1 - 2.0 wt.% of indium, 0.2 - 0.8 wt.% of sulfur, the sum of the wt.% proportion of indium and sulfur amounting to 0.7 - 2.0 wt.%, and furthermore optionally following alloying elements: up to 0.20 wt.% of iron, up to 2.5 wt.% of nickel, up to 0.30 wt.% of antimony, up to 0.50 wt. % of manganese, up to 0.3 wt.% of phosphorus, up to 0.5 wt.% of zinc, and elements caused by impurities amounting to not more than 0.10 wt.% each and in sum to not more than 0.5 wt.%, and the remainder copper.

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

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

Citation (search report)  
See references of WO 2022223687A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102021110306 A1 20221027**; EP 4271846 A1 20231108; WO 2022223687 A1 20221027

DOCDB simple family (application)  
**DE 102021110306 A 20210422**; EP 2022060544 W 20220421; EP 22723679 A 20220421