

Title (en)
COPPER-TIN CONTINUOUS CASTING ALLOY

Title (de)
KUPFER-ZINN-STRANGGUSSLEGIERUNG

Title (fr)
ALLIAGE DE COULÉE CONTINUE CUIVRE-ÉTAIN

Publication
EP 4326916 A1 20240228 (DE)

Application
EP 22725373 A 20220421

Priority
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• EP 2022060511 W 20220421

Abstract (en)
[origin: WO2022223673A1] The invention provides a copper-tin alloy for continuous casting, more particularly for producing machine parts or transmission parts, especially such as gearwheels, worm gears, sleeves or linear guide parts, or for producing valve parts for conducting fluids, comprising 9.0 - 15.0 wt% tin, 0.1 - 2.0 wt% indium, and further optionally comprising the following alloying elements: up to 0.20 wt% iron, up to 2.5 wt% nickel, up to 0.30 wt% antimony, up to 0.50 wt% manganese, up to 0.3 wt% phosphorus, up to 0.10 wt% sulfur, up to 0.5 wt% zinc, and contamination-associated elements at each up to at most 0.10 wt% and in total at most up to 0.5 wt%, and copper as the balance.

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C22C 9/02 (2006.01)

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