

Title (en)
COPPER-TIN CONTINUOUS CASTING ALLOY

Title (de)
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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
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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.

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C22C 9/02 (2006.01)

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Citation (search report)
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